

<211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7573

tctaagacca ctacacgaca gatggcaggg tacctgactc tattatatgg taaatttgtg 60
 gtttttaaata tgttacgttc gattatgagt taaacatggt tttatgttat gttaacctct 120
 ctnttttgtg gtgctggatc tatgagcact ttccctagtgt gcatcagtgc gtcacagatg 180
 atgcatacca ggagacgtcc ccatgtgttt cccgggtggct gacgtcnnaa gtccttatga 240
 agggaatcac aggagcacca taccggggcac tttgtgatgc tatgaccgtc atagatatgt 300
 cttggttacc ttacactgac catcggggggg ttagggcctt cgacctgatt tcatcattct 360
 aaggtcagtt gagatgggt 379

<210> 7574
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7574

acaacatatt tcttaaacca tcggatcaat gagagcnact catgggtgtg gagagtcaac 60
 cttcatgggc ttccctgtagg aattatagta taacatcatc tgaaatgtag ctacatatag 120
 gttcaaacaa tgtaactaaa taaattagta gtgagtacat tataattgta ggaaaatggg 180
 tagtatatag atattatatg taccctaaca ggttttttta aacctccttg caaactacac 240
 tcgtggtaga ggtcaagctt tttttgtctt tatcatgtat taaaaccttt aatccattct 300
 ttgatttgac tctcgatagt gcaacatata attgaccatg actaaacaat ggggtttatg 360
 caagtaaagt tcaacactat atcatgactg gcctggagac ttattaattg tcattgcata 420
 agagagcatt attggaaata gtc 443

<210> 7575
 <211> 476
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7575

caacatccaa acatcatgaa ctatcaatta ccaagataac agggcagagg cagaaaactc 60
 tgcccaaaac acaaaccaat accataactt tccttactca aataccccag taacattctc 120
 ttcggttccaa ttcgtttacc gttggatcga ctcgaaaatt ttactggagg tccctagtag 180
 ataagtgtac antttgaccg ttgggatctg ctgaaaaata tccgtaaccg aatatatata 240
 accctttcca caaccagcca tgcataagca ttttctgcac aagcacaaaa ttctgctgca 300
 tattttcaaca gcaaaattct gcataatagt gcagattttc gaaatcactc ttgccctcat 360
 ccaattttgc ccaaattgga tcctacaagt cctaaatcat gtataaatca tatctaaacc 420
 aaagacaagc ttcagaccat agcaactcat aatctaggaa tttaaaccct tcaatt 476

<210> 7576
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7576

gacaacctta tattcccatt attntcttgt tctcttcatt ctttttcatt ctttgcttgc 60
 tctcttttcc ttatgtcttc tctttccttt gatagatatt tatcatttgc tcatttcctc 120
 tctcgacttt cttttgtttt ctctttttct ctctgaagaa gtcgtgcgga caacggcaca 180
 cactacctac tcacgtctta ccacaatgtg aacgagaaac gcacaaaaat ggtaggtcgt 240
 aatatggtga cgaaatagat gagagccata acgccgaaca tttctaacag aaacgagcaa 300
 taatgatagt aatgttaaga accatatgaa caaaatataa aatagtaatg tcaacaacaa 360
 catgggcaat aacagacaac gtttatagca aactaatgaa ataaacagat atgtcaaaaa 420
 atgcggtgac ctgcgcacg t 441

<210> 7577
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7577

tacaactaca agtgattgtc aattctocat tctcaagttg ggattcataa ctaactctcc 60
 actctccatt gttatcacat attcaccatg agcttccgtt tcttttttat tttttgtaga 120

tatttgtggc agctattaga tcccactccg cttgaaacaa attgaacatg ggaggagtgt 180
 actcttgaga aagatgtcca atcataggtg aactntgtat gatcattctt ggcaacttct 240
 tacgcatctc ataatctggc tttaactcac tata 274

<210> 7578
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 7578

tcccgttgcc cgagtcgacc cggcccaggt tgggctgggt gagtggttaac tccagcggtt 60
 caagtctcgg gtcgctctgg taagcgaaaa acgggtacgg gttgatcgtg aacggcgatt 120
 tgttgcctt gagtatcgcc agcagctgtt tgagcgtgtc ttgcatcgcc tggttgaaca 180
 acccgacga gggcgggtcc gactgagtca acacgggcat ctgagtgcac tgtggagacc 240
 ttgatcttgc cgtcgagcga agccgcgccg agggcatttt ggacatttag catcttcggg 300
 actagctgcy acttaatacc ctgatcggat aatgtcaaaa tctcttttcc gacggtgatc 360
 atagtgatgt tgctcgccag gtagtaaggc aagacgttct cgataaccca ctgtgtggcc 420
 gctgtgggat cgctcgag actcgctatg tctccgttg 459

<210> 7579
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7579

ngactaggcg agttgattnt agccttagtt ccaccttagt tattagtcaa ttcggttaag 60
 aatgagaaat cccaaagaga aaatgtccgg ttgattttcc gctttatttt actaaaagat 120
 gttttttttt attattatta tattattttt tacctctttt tttgatttcc aacgtggtta 180
 cggcacgacc gaacggtcgg aattcatttt aaccgaagtt tacggataat acaattcaaa 240
 cgatcgggtg aaattttatt tatttttagg ttaagcgaga aatgacttaa gtaaaatggc 300
 ttaagcacgt caagaggggg tataaaaagt aaatgaaatg agaataaaaa tacacgaaac 360
 acaatgtgga ccaccacggg tacatagaat gaatcgaata gcttggttca aggtacttac 420

ccattgaaga tcgaagaacg atgaag

446

<210> 7580
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7580

tatatacctg gtgagttgtg atngaattgac tgtacaaaaa atttcactat caaatgtata 60
actatTTTTta tctTTTTTTta atcaattctg taaaataaat tcatgatcaa aataatatat 120
attttatgta ttgtatatatt tatcattaat taaaatgaat tattaacaca caaataaaaat 180
aaatttaatt aaaatatata aaaatttcta tattttatat atatttgacc aaaaaatatt 240
ttaaagtggt aactataaaa acttatactt aaaaatttac agcaagttac caatcatcaa 300
ttctaaccat ttatcaatgg ttaataagaa gtttctocat tgatgaagat gttattcatt 360
tccctatctt agacgtttgc cttttttaca aactttcccc tctgagcagg gagcacaatg 420
atgtttaatt ntatgaaaaa gatggcagcg gacatgcaat gtgggt 465

<210> 7581
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7581

atatgtgtn t gtatgtgtgt gtgtatgaca tagagttaga ttattaatta tgcttccttt 60
aatcttctct tttcaagttg ttttgtatga tttgagcaaa agacctatag aacgcaggtt 120
cgtaaggaaa gatgaagtta taaaggaagg tgaatcaata tattttgatg gacatttact 180
ggaagtagga caacctgaac ggattcatca ctctccagcg aagttaaag aacgagggac 240
tgacaataat gttgttgaaa ggagacaact aggacatgta caaatggat tctgctaggt 300
caatccatct ttttgctaaa ggttattcct tgaataa 337

<210> 7582
<211> 294
<212> DNA
<213> Glycine max

<400> 7582

tgaagatggt catgttactg tctatcatat cacaagagaa aattttgtta taaaaataag 60
tggtgttatg ctgtcagtcc actagacgaa ggacacttga gcaaattgag taaatcttag 120
ttttgctaag ttagcgagtc tcattgtatt caaacttact gtgtaaacac tctttgagtg 180
attagaatac atccactatc acacatatac tattttgtgaa agctaacaat agcttaatga 240
caaataatac ttgggtctta atctagaggg gagattaagt atagtgtcag gaat 294

<210> 7583

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7583

nganagagcc caggtagtca aagagaagtt caagtccata gccatcaaag tctgaagaga 60
gtatgatgaa ctaaggagcg ttaatatggc caccgatgaa gccttggaat gagaaaccaa 120
gaaggccccga aaggaagaac acgacaaaa caagttttga ggggctttat agggcagcaa 180
tagtgagctc aaactctgaa gaggtgaaag gaatcatcat ggggtcaaagg catgatctgg 240
aaggacgagc taaaggcttg ccttangtcg aaaagaaatt tgtcccaaca gttaaagtga 300
gactgaaggg aatatgtggg caatcatcga tgagtgccaa gagaagctaa atctagcggc 360
gactcacgag caaaggctag aagatgagta cgccaagata tcagcagaaa gggaagcaag 420
ggaaagggta attgattcat tgcaccaaga ggcaactgtg tggatggacc ga 472

<210> 7584

<211> 145

<212> DNA

<213> Glycine max

<400> 7584

tatatcaata cgctcgaaat taacagcgga agctctctcg atattcatat agtcataact 60
attcacacgg atgtccgggt ctggcgctta atatgtcgag aggctcgaaa ttgaacaacg 120
gaagctcttg agaaatgcaa ctggt 145

<210> 7585

<211> 492

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7585

gatggcctca gcanattcct tatttccaga agggaattct atcaatagac ctccaatctt 60
 taatggagag ggttaccact actggaaaac ccgaatgcaa atttttattg aggcaataga 120
 tctaaatatac tgggaagcca tagaaatagg gccttatata cccaccacag tagaaagagt 180
 ttcaatagat ggtagttcat caagtgaag cataactata taaaaaccta gagatagatg 240
 gtctgaagag gatagaagac gagtacaata caacttataa gccaaaaaca taataacatc 300
 tgcctgtga atggatgaat atttcagggt ttcaaattgt aagagtgcta agaaaatgtg 360
 ggacactctt cgattaacac atgaaggaac tgcagatggt aaaagatcta cgataaatgc 420
 actaactcat gagtatgaat tatttagaat gaatgcaaat ganaatattc aaagcatgca 480
 caagagattt ac 492

<210> 7586
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7586

tcaagtcgct cggatagcaa cttgttntgn gccaacatag tgttctatga tgaaagcttc 60
 aacaggctgt ctttggttgg gatgtgtgct ctatcacaca agattgaatg gtcactagca 120
 accatattgt caatcaattc catggcttct tcaggggctc ttcaatttat ttttcccctg 180
 cagaagcatc taaaagctgc ttggattgtg gccttaacc gtcaatgaaa atattgagca 240
 ngattggttc taaaaatcca tgagtaggcg tctntcttag taaccacacag aatctttcca 300
 aagcctcact caaggactcg tttggaaatt gataaaagga tgagatggca gcttttcctt 360
 cagcagtctt ggactctang aagtatttct tcaagaattt ttaccactt catcctaagt 420
 c 421

<210> 7587
 <211> 614
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7587

cccgcacccc gacctcgacg acttcgtcac cgtgctctac atcattagtn antgctaata 60
 aantatcccn nnnnccgcg cggtgatacc atcattactg aactaagat acacaagcaa 120
 gaatgactca attcgctaca gaatgaccat ggcaactctc tgcataatga atcagggtcac 180
 ccacctacga tctacgatgg gacactaatc atatcacgac atgaataatc atacaagctc 240
 catatgacta acaagcccaa gtccagtga taacagctta tgtactgaca atatatgaaa 300
 ttcgatactg attatgaaca aagacgcacc acctttcaga tgcaagccac gcatggacaa 360
 gctgtcggcg gatatgccgt aggcaaagaa atgcatcgaa ctctgcatct gttagtactg 420
 gggatatgcg gtctacacct tattacctga cagatacact aaattgacac ggtccaggca 480
 agtttataga tgaaccacag aactatagac cataactacc ttagtaaaca acgaagcacg 540
 atctctatct ggaggaacga aatggcactg aagaggatgt atcttatcac atnccgaccc 600
 cagccttggt cgag 614

<210> 7588
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7588

caattactgt gtaaatttca tagttgccaa tcattgtctt ctctatatct cttatgaaca 60
 acacgagtgc accactttta ctctgatatt agacaacctt taacagagac ggggtgtttaa 120
 tttttctcta tgaatagaga caactattgg acaagtatgg aactggggca acctcaaaga 180
 tttcattaat tgcaactttg tcaagatcat cctctccaga gccgtctact cgtagtaaata 240
 gatntgctgc attatgaatc atcaatgaat tatacgtgcc acaattatag catacaatgt 300
 attaatatgc agcttaagaa acaaaagttc aatctaatac agcgaattac cagaacagaa 360
 gaaccacggt tcattctcac aaatgccacc aagatcattg ccattctggaa ttga 414

<210> 7589
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7589

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tctntcccta acctgtggca taggcaacac agaaatgatg tctatgatga agtaacgtn 60
taaatatctc ttggcaatct ttctaggatc tataacaagt tcacctcgtc caaatacccg 120
agatgaaggc gcaatgtagg cggtgcggaa ttgaaaactt atgcggagga gataaatgaa 180
atcacatatt gttctcattg tgacagcaaa acttgctagg ctgttatcta tggcgaggca 240
aaatgatttg tggttgaaat aaggaaggta aaagaagaag ggatcgcatg ctatagaaac 300
aatgcacaga atctcaaaaa acttggtcca ataaagaagg ttcttatctt gaggatcaaa 360
tactttnttc tcagacactt taagatcttc tgggaacact gcccaagtag tcaactccagt 420
ctttagtgat cttccanatg tctttagtcc atctgaactc ttcttcattc ctagcctaaa 480
tgatttcgat 490
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<210> 7590
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7590

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tgtgattcta tatccgtctc ccaagacctt gttcaccggt tgctctggcg atacaaggat 60
gattggaagt ctgcattgng ggtattcaga tgggccagtt cgcgatcgag ctttagacat 120
tcgcggagtc gtagtagaca tattgtgtag aatgaagggt atggaaaagt tgagggattt 180
gtgcgcgagg gcggtcttgt cactatgaat actgttgcta agacaatgag atggtttgtt 240
tggacacgat agtgggtaga tgctgtgagg atatttgatg acttgcaagc tcttgggttg 300
gagaaaaaca cgaaatccat gaacttggtg cttgctaccc tgtgcaaaga gaaatttgtg 360
gagcaagcct gcaaaatddd cttggagtgc agcagcatat tgctccaaat gctcacacgt 420
ttaacatatt cattcgtgga 440
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<210> 7591
<211> 421
<212> DNA
<213> Glycine max

<400> 7591

tctacttatg tggcaaggcg ggcttccttc acttccttgt ctccaacgcg agctattacc 60
actgttcttt ctccccacga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
accatacttc ccacagtttc cttgagtatt tatcaggcta gttatgcgcg cgttgtctct 180
gcctaaaccc accccggggt cataaccgtt cccaacata actcgggcca tcattaccgc 240
tgcacgaac agacaaggct gcccaaagag ggagtccacg gaggaatgc tgaccacctc 300
aaaagactgg aaagcagttt ctaacgattc ttctacggct tccacataag gcatggagga 360
tggccagctt accaagatgt cttcctcgcc taacacgatg accaagtgcc tctccactac 420
g 421

<210> 7592
<211> 421
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7592

tatccctaga ggtgatggac ctttgcaggt cttggagagg atgaataaca atgcctatag 60
gttggacctc cataagagta tggagtcttg atttaattcc ttttgcaggt ggagctgata 120
atgaggagga ggaacgaaca gatttgaggt caaattctct tcagggggag gggatgatgc 180
aatcctccct tgtaagggaac caatcaccac agccatgagc aagaagctct aagaggatta 240
ngctagagct gctgaagggt ctatggttct catgaacctc anggtagatt tctgagccca 300
tgggctaagg ttgggtccac ttttctctgt aaatattaga ataagttctt cttcttttaa 360
gtttgtatga taccctacaa attaagggtc tcctacctta caagtataag gtacccttag 420
t 421

<210> 7593
<211> 422
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7593

cggaagctga cgcganacta anatggtcat tacatttcac acggaagtcc gattcaggcg 60
cataatatat cgagacgctc gatattgaac aacgtatggg gtcgataaat tcatatgggc 120

ataacttgtc atacggatgt cggattcagg cacataatat atccagatgc tctaaactga 180
 acatcgacag ctctcgagaa attacaatgg tcataactat tcacacggaa gtccgattca 240
 tgcgcataat atatcgagac gctcgaaatt gaacaacgga agctctcgag aaactcatat 300
 ggtcataact tatcacacgg acgtccgatt caggcgctta atatatcgag acgctcgaaa 360
 ttgaacaacg tatgggtgtcg agaaattcaa atgggtcataa cttgtcacac ggatgtccga 420
 tt 422

<210> 7594
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7594

tatcacatca ttgagttcct aggtgagttg tcactcttaa gtgcggataa atgattntca 60
 taataaacia actntaaata tcttaacaaa ataaaccact gatcttttgt tcaaaactgg 120
 cgggtaaaga tagatggggg ttactccatg agttaacaag atttcacgta ttcaaataag 180
 tcaacattgt ccaaaacata ctttttgtaa atactattat attagataat ccaatttaga 240
 tttcctaaat ttgagtcact aaacaggata ttttgaaatt nttatagata gagcgagcta 300
 ctgctgttta gttaaggcaa aggctaattg tgtatgaatc ggataggatg agttccatat 360
 aataaataat aaaagagaca ttgttatggt ttaactataa atgagacant tttttgcttc 420
 cttttctntt caatcccaat acataacaat tgtaattata cgttaatgct tgcanatgtg 480
 gagcgagcaa c 491

<210> 7595
 <211> 503
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7595

tactcagcta gctaacacac ncatctagaa actaacctca cctccttgag aagcttcctt 60
 gagaagctag agcttagcta cacacacccc tctaataact aagctcacct ccttaggaag 120
 agaagctaga gcttagctac acaccctat aatagctaag ctcaccccca tgacaaaata 180

catgaaaata caaaaaaatc ctactacaaa gactactcaa aatgccctga aatacaaggc 240
 taaaacccta tactgttaga atggccaaaa tacaaggccc aaaagaagaa aaaaaaacct 300
 attctaatat ttacaaagaa gagtggaccc aaccttgacc catgggctca aaaatctacc 360
 ctaaggttca ttagaacctt aaggccttct ttatcagctc tagcccaatc ctcttgagac 420
 ctcttgctca tggctctggt aactggctct tttctaggga ggatagcatc acattatgac 480
 aagctcagtc ttaactggtt cac 503

<210> 7596
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 7596

tgatcatcct actaagacga ctgatataac tgtggcacat aaagaggggtg aggatgaagg 60
 agagacccat gctgtgactg tcattcctgt acgaccaagt ttcccaccaa cccaacaata 120
 tctttactca gccaaataaca aaccttctcc ttacccatca ccaggtatt cacaaacgcc 180
 agtcctaact ctaccacata gtcttgtcta ccgcactttc aatgacgaac accaccttta 240
 gcacgaacca gaaacaccaa ccaagaagtg aattttgcag cgagaaagcc tgtagaattc 300
 accccaatt cagtgtecta tgctgac 327

<210> 7597
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7597

ctaggcttag cacgtgaaga catgacgctt agcgcaaggg ttgcgcttag cggttgagaca 60
 actgnataat tttttctgag tcttttgtgc ccatactctc acatgagctt aaaaaccccc 120
 ttgttcactt ctaaacaagc tgcaaaatta atcacaatca caagcaacta tcctaactac 180
 atgcaagaga tacagaatga aaaagtgaag agggaaagaa aagttggggt gcctcctagt 240
 aagcgctctt ttaacgtcac tagcttgatg catcatcctg ttatcttgng tccaacaagg 300
 ttccaacttc cagatccttc ttctctagtc tcttttcttc catcacattc accttcaaac 360

aaaaattntg gttaggcaaa gctntctctt catgaaacat atcaaaaactg attngctggt 420
 cttctatggc catttgtagg ttcctctttc ccatgtcaac cat 463

<210> 7598
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7598

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 agtgaggctc acagaactgc aacaaggatc accgagggtt ntgagggtcaa ttggaaaact 120
 atgaaggaga agtggatgcg tgaggccgaa gagacgaaca agatttgcca gagggaatta 180
 catgtgtgtc caaatgaaag aagtcaagtg agtaatcatc tcacaaaaag gagcaatatt 240
 cctatgtgct gattcaaaat agcttcttac cacaagtcaa gaaagctatg ccaataacgg 300
 tcattatgag cagcatggac attaccctc ttcaagagtn tcatttaatt accctgggta 360
 ttcactctta tgtataaagt atctattgag tttcacgt 398

<210> 7599
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7599

ggcctaatta acctganatt gagaganaat gattattaaa cacacaaaat aaaaatacta 60
 agtattttatt acctatactt aacaganaat acttataacc ttacaaaata accataaatt 120
 gggagagttt gatacaattt atataagttt tatacacaaa agttagtcat tttcaccaac 180
 taacagttgc cccaaattta cagttttgct tgtcctcaag caaaaagaga acaactcact 240
 tgtcctcaag tgacaatgac atgcagtgat tatgtacgaa ggtgtatgct acaaagtgac 300
 taattgcatg ataagagaat ggagtaaaat gccctcaaca cttgtctttc acaacagtta 360
 tctaaagaca agaataaaat gtaacctgaa cagatagatg aagttaggca taagacagat 420
 attaatgaaa gtagcttaaa ccacagtctc acagctaattg tttcactcaa gcacaagtgt 480
 ttaagctatt ca 492

<210> 7600
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7600

ngaagggttc tggctctgagt cttcagggaa ggctngcatg gtatggaaag gaaatggtta 60
 ttctaagaca ggtaagcatc ttaatttggg tgctgtgttt aagcttgata aggttttcag 120
 tgcaagcaat atcactagct tggttaatgg aagcttggag agcttgagtt ctccaaagga 180
 tgagagctac ttcgaaccca tttctgtggt gatgtttcca aaagcaaatt acaaataatac 240
 cttgaattcc acagaagtta ccaatgagtt ctcttctggg agtgatgcta tgaagggtgg 300
 tttgtcattg agttcattga gtttttgttc tcgtcccctc tcaagggtta ttagaaggct 360
 cccattagag ttctctcctg agtgcaattc ttcaaagaac tgcaactcctt ttagtgagaa 420
 ttctggtcca ctgccatttc tagtgtcttt gaaaggcatt gagtggtcca tttctaacia 480
 caagcat 487

<210> 7601
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 7601

tatctgatgg caacttggaa gtgtcaactg ctgattctga atcatataca cggaatgttt 60
 tttctccttt ggatgtgaat gtccatgtta gtgttcgata acaagggttct ggtattgtcc 120
 agattataga attgtaactt tgtaaccctt tctctccctt tctttttctc cgagggtatg 180
 aaaaaaagag gaccatttga tgtggatgta aattagtttc ctttacgatg ttggaacttg 240
 gaagagtgat ttaatgagct tctgatttca aatattcatt cttcttccaa tgagtgaat 300
 attaactata tatacgtgtg tgtaacatg tttatgttac ttgtgatgta ttacgacaaa 360
 agcaatgaca tgattcattt tgaccactt actgatgagt aaggaatttt gacatacaat 420
 gaagtggat gt 432

<210> 7602
 <211> 148

<212> DNA
<213> Glycine max

<400> 7602

tatgtaagcg acactatgga gtgctccatc ttctcaatga agatctctca agaaagcttc 60
tcttgaagct aactagtcta ttaatcagaa gcatcgtgtg acacatcggt gtcaatatga 120
tgaatgatag tcttgtgaga catacttc 148

<210> 7603
<211> 492
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7603

cactatagat actaagctaa aggaacactc aaatcgggtg tatntactcc caaggcctag 60
actccgaaga gtccgttagg gcctctcctt cttaattaaa atccaacca gaaaacattt 120
tagcacacaa actctatcta tgaactgtac aaaacacatg actccttaat tattctaaaa 180
aaaaattcaa ctgcgtcgcgc ctaanagtaa ttaaactcgt cgggttccca cagtggatcc 240
tatcataata ctgcgtctcac attaaactcat tgtctttaaa gggctcttaca gtcattgtgat 300
tatatagttc attactcaca actcaatgca cacaacattt caatacatgt gtgatctcac 360
aatttaatac atactcaact tgtcatttac acacaattca tcacacttcc ataatcccaa 420
gacaacacat tatcacgcct catgcatcat atacatgtca cacaataata atattaatat 480
gntatattca ta 492

<210> 7604
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7604

attgggtcttc gctggcaaaa tgatcgtagt gggctctaaa agaggcaaatt ctgatcatca 60
tgccttgata aatgcaaaan aactatggca aatgaagagg gtgagaatga gggagaaacc 120
catgctatga ctgccattcc tatacagcta agtttccac caacccaaca atgtcattac 180
tcagccaata acaaaccttc tccttaccba ccaccagtt atccacaaag gccatcccta 240

aatcaaccat aaagcctgtc tactgcactt ccaatgacga acaccacctt tagcacaaac 300
 caaaacacca accaagaaat gaattttgca gtgaaaaagc ctgtagaatt caccccaatt 360
 ccgatatcct atgctgactt gctcccatat ctacttgata attcaatggg agccataact 420

<210> 7605
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7605

ctaagcttac atggagctac atcattntct aacatattca aagacattct cagtaattga 60
 acttggattn tagttgtttt aaaaataaac ataaaagtgg aaccaacgaa attaataagg 120
 ggcgcttggg ttgaacaaat tacgtctgca tagcgcaatg caatcatgta acattatgaa 180
 taaggaataa tgaagacaaa atggacattt gggctctaaa cacaacctga caaaagggca 240
 attgtaatga aacatgaggg aatacaataa tattattgat gcagtcatga tgttgttttg 300
 gccgaaattn tgtttccatt tgtttgaaaa aactatgaca attggggttg ttcctaact 360
 gtgacaaaac attgagttca ataaattaag gtcattagct ggtatagtaa gaagatgggt 420
 actaaattag ataaggatcat gcacctct 448

<210> 7606
 <211> 481
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7606

gtgaagctcc tgttttagcta taccgattn tactcaacca ttcttagttg aatgtgatgc 60
 tagtggagtt ggcattgtgg ctgntttgat acaaaacaaa acgcctatag cttatttctc 120
 ggagaaattg ggaggagcca gattgaacta ttgcacctat gacaaagagt tctatgccat 180
 tgtaagagct cttgatcatt ggaatcatta tntgcgttct aatcacttta tattgcattc 240
 agatcatgag tcattgaagt atatcaatgg gcagcagaag ttgagtccaa ggcattgctaa 300
 atgggttgaa tntcttcaat cttttaattt ctcttcaaaa tacaaggatg gtaagagtaa 360
 tgtgggtggc gatgcacttt caaggaggta tgctttaata tcaattcttg aaactcgttt 420

acttggttat gagactttga tagattatta taaagaagat gttgattctc gtgaaatata 480
c 481

<210> 7607
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7607

cgagcgtctc ggtatattac gagactctat cggatatcgg agttaaaagt tattgtgggtt 60
tgcattngct acgagcttct ggtcgcaatt acaggcgtct cgatatatta tgggactcaa 120
tcggacatcc gtgttaaaat gtattgcagt ttgaatttgc aacgagcttt cgttttcaat 180
tacgagcgtc tcgatatatt acgagagtca atcgaacatc gaagttaaaa gtgatcgtgg 240
tctgcatttg ctacgagctt ctgttgtcat ttactggcgt ctcgatatat tatgggactc 300
aatcgaacat ctgagtacaa c 321

<210> 7608
<211> 371
<212> DNA
<213> Glycine max

<400> 7608

ctcagctttg ttccattgag aactactatc attccatcca aagatgatag tataccaagg 60
aatggtttca ccatgatgga tgcagaggaa atcaagaata ccaatggtga ttgtcatttt 120
ctaatttgta tattatattt gttgtcttta ttactcttt ttactatggt attcttttta 180
gttttatcgt taacaattat ttttgagata agaaggaaag aaaatcatgc ttattcaatt 240
ggaagttgct gaagagaagt acttcacact taattcataa ttttaattttt gttgtaaaac 300
gaattgacca atctgtgtca tattatctat tattagcatt ttaatgtata tgtatgaggt 360
atcttttatt c 371

<210> 7609
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7609

nggagaggat gcttcaatgg agcanaagan agaaggagag aaatagagag gngggagcac 60
gatattgaag gaagataaag ggagagaagt tgaactttga gttgtgtctc aatggactct 120
cattcatcaa agttacaaca agtggttacac atgctttctat ttatagactt ggtagcttcc 180
ttgagaagct ttcttttagaa aacttccttg agaagcttct ttgagaaaac ttccttgaga 240
agttagagct tagctacaca caccctctca taactaagct cacctccttg agaagcttgc 300
ttaagaagat tcctaaagaa gctagagctt agctacacac acctctctaa tagctaagct 360
tacctccttg agatgagaag ctagaactta gctacacacc cncctataata actaagctca 420
cccctatgcc aacaaaaaaaa catganaata caaaagaagt ccttactaca gagactactc 480

<210> 7610
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7610

taccttgtga atganatgat atatcctntg cacccatgat taatctaaaa atctgattgc 60
ttgagttgaa ccttgagcct atgaaattat atctctacct accttgtctt aagttgtagg 120
agagcattat ggttcaaagc aaatttgtct caaatttggg ggagcttatt gggtgacaac 180
ttctaattggt aagaagatga caacacacac aataaagtaa aaagctgctg ttaaaaaaaaa 240
ctgtaagtat caaaaataaa actgagtgctg tgttggtatc taataaagct aagtgtctgaa 300
aggcaagtaa ttgaagctgg aaataataat gaaaagagtn tatctatgga tgaatgctct 360
cctataactt aagctgtttc atcttagaaa aaccataatt tngttgagcc cgacctcatt 420
acaagcttag aaaagtcctt cagattcagt ttgtgtgggt atgact 466

<210> 7611
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7611

gcttggaatg atttcataca naagttagtc gtataaagcg actaacagcc aacctactac 60

catccttact caaaaaccaa atgggtcatag taagcccggg aaaggtctat caaccttcat 120
 ttccctaata gtacaatcct aacgccatat gcacctatca cgggtggcgtc tcgggggact 180
 ccatcgagca atttgtagct tttaagcaca aagtacaaag tttgattgat gcaggatggc 240
 ttacatttca agaggatagt tcaaagttaa ggactaatcc actttcaaat catggaagct 300
 cgttgatgaa cgtgggtggaa gaatggaaat ctcatgagtt gaaacagata ggggatgtgt 360
 cgactacaaa atgattcata ttggaggcgt tgcacgaggc tgatgtgatt aaatgtgatg 420
 gtaataaggg agatcaatgc ttgatgcatt cangggcatt gcttgatgta gaa 473

<210> 7612
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7612

ntctctntga agttntgtat gatattcctt tcatacaaaa tttcatactt tgcaacggan 60
 aaacataatt aatgccaaaa gtatactatc gaaacatgta attgaaaata catgtaatag 120
 aaattaaaat ccctaaattt cataattagg atttatacat aattgagaga aattaaatca 180
 tccctagatt taataattag gggttcataca taattggaag aaattaaatc attcttggag 240
 aatcataaat ttcataaacac atgttttggat atcacatgta aaacattaag ggggttctta 300
 gactatcaat tataggaaac aacatgatct taaaacatat gattctcaca tacaatcaat 360
 aaacaataga taatggtgca tacctttctt ca 392

<210> 7613
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7613

ccccttggtc attactaaac aagctgaaat taatcacaat cactagcaag gtatcctaac 60
 tacatgcaag agataagaat gaanaatagc aaagggaag aaaagctggg ttgcctccca 120
 gtaagtgtc ttttaacgtc actagcttga cgcattatta tggtatttag gatcaaacag 180
 aattcctact tcaaggacct tcttctcagg tctcctttcc tccatcacat gcaactgtaag 240

acagatattt tgtctaggtg gatctttgtc ctcatggaac aagtcaaagc tgatattcta 300
atcttctatg cccatctgta acatcttctt tcccatgttc accacacagc ttgtagtaga 360
catgaatagg cagcaagaat gagaggaatg tcagcatcct cttctatatc tatgacaatg 420

<210> 7614
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7614

acagtgagaa gaatgataaa aanatcgtga cttagttgac atatgacaaa naagagtata 60
attntaaatt ttgaaagaaa atanttgttt cctctttcaa taaatatttt tttaaaagtt 120
gaattgaatg gagcttttaa gtattgttga tcccaatagc tatggaatta cctgtcgaac 180
cttggtaaaa gtgaaagata atgctaatta gtgtcttgag ggtattagtt aaagaacttn 240
aaagtagaaa tattattatt gggagaaaaa aaaattgtgt tactcattat ctttttacgt 300
tttctattaa ttatacaata aatatnttct taattaatat cctananaca ttaattagta 360
tgatcaaaat aaaatacaga ttcataagac catctaatac attgagtaga caaacaatc 420
cctaatagna tgttgatagt ctacaaatct caccactgat 460

<210> 7615
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7615

atggctcgcc tccggacttc acctnccgtg ccaccccgga agatntaagc caagccccta 60
ctttcgaggg gcaactccca ccttatgacg actatcccg gcaagacgat gaggaaggag 120
atacccatct tggccccctg ctccacctca aagatctgtc ccccatgaa ctaccccaac 180
cgaacataat ctgccatata cgggcctcac ccacacctgt aaaagaatct gttcccttcg 240
cggaagataa gggaaagatt gaggcgcttg aagagaggtt aagagcagtc gagggccttg 300
gccattaccc attctcggan ttggcggatn tatgtctcgt gcccaacatc gtcacccctc 360
ccaagttc 368

<210> 7616
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 7616

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ttgtctctta acagggcctc ctcaacatgc ggagccagtc gcatgatgat gatctgctga   60
ccaccagcct agtgcctggt catacccgtc cccgagcadc tgaaaacagg agatggcatt  120
tatgcagtga aaatatggcc ttgctaccac ttaccttggg tcatccctgt ctaggatttg  180
acgctgtatt gaccacctca cgaaatgatc atgtccctgt ctgtcgattc ataaggtaca  240
aaatgcatgt gcatgcgtat gcatgggtag tttcaaaggc aataattctt tagcaaaaac  300
ccattgtggt tagttctaaa taagcactta gagcatccct ataggtcgag cgagaaggct  360
tgaatcattt aaaaagaata tgcatacctt                                     389

```

<210> 7617
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7617

```

tactcagcta nacattcaat ttcgagcgtc tccatatatt acgcgactca atcagacatc   60
tgagtaaaaa gttattgtcg nttgaattgg ctgagagggt caacattcaa ttttgagcat  120
ctcgatatat tacgggactc aatcagacat ccgagtaaaa agttattgtc gtttgaaatg  180
gctcagagct ttaacattca atttcgagcg tctcgatata ttacgggact caatcagaca  240
tccgagtaaaa aagatattgt cgttngaatt ggctcagagg ttcaacatat aatttgagac  300
gtctcgatat attacgggac tcaatcagac atccgagtaa aaagttattg tcgtgtgaat  360
tggctcatag gttgaacact tcaattcgag cgtctcgata tattacggga ctcaatcaga  420
catccgagta a                                                         431

```

<210> 7618
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7618

caattatcta atcattccaa tccactcaaa tcatacaatt gcttattcaa atcataactca 60
 aacactcatt tcatgcaaaa taatccactg catatcattt tcaatcaatt cactgttcaa 120
 acacactttt ggtacaagaa aacaactcaa agtgctaaaa tttaaataac tgaaatataa 180
 agcaaaactaa aaagcaacta aatcctgata aactaaaatg ttcattgcttt tcagaaatta 240
 aactaaacac aatttaaaca tcctgctcat cctatggctg atgttcatta agatccagt 300
 ctggagctgc tgatgaatcc tgaataggct gctttggctc cgtgactggg gcagatggct 360
 gggctctctc anggataggc acangagatg gctcatggat ctgggtttatg gaagtcacct 420
 cctcttgagc aatgttcgca tctgcatcaa aataaaa 457

<210> 7619
 <211> 544
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7619

cgcacgcgat tgatgcatcg atggaccang gacacatcca nacgccagcc tcatggatcg 60
 ccataagact tcatntccca atcgaggatc tatggttcga tggctctctc tacataacct 120
 acccaatatt cttcaccaat cggcatttgc tggatcaagt ggtctgacag taattcccaa 180
 cgtggacgcc tgctacacct ctattatctg tcctcgcctg aactaccct acccatcata 240
 atctgccatg ttccggcctc actctcacct tgagaagagt ctacttcctt atccgaagac 300
 aatgcgtaga tcgaggctct tgtagagagg ttaagagctc ctctacggcc ttgggcattg 360
 cacgtataa gaattggccg ctttatgttt cctgaccac atcgatcatc gttcctacgt 420
 gcaatcacca tgacttcgac acttcttaag gtatgacatg tccatcaagg cttctttcga 480
 tgcttagact caacagagga ggcgccttct catggaccct atatttgccc atcatttttc 540
 cccg 544

<210> 7620
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7620

gctctctctg tcaatggttag gttcatatgc tcaactacac cattgagttg aggtgttcct 60
 ggcatgggtcc tctcccttct aatattgtgc tcatagaaaa actttctaaa tctgtctaca 120
 tattcaccac cattgtcagt tctgtgcctt atgatctcca atcctgtctc attttcagcc 180
 atgggtttcc atatcttaaa agccacaaat acttctaact tgtatttttag aaagtaaact 240
 cataccttcc tagagtgatc atctataaaa ctcataaagt attgtttgcc accaatggat 300
 gacacatatg ttggtgtaca caaacatcag agtgaacaag ctcaagtntt tccttcttta 360
 gggttctgct atctgtctaa aagctgactc tnttctgatt gccaaatatg cagtcttcac 420
 acatgta 427

<210> 7621
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7621

tagcttctta tctaaggctc atcttgggtg tgaagctcct tcttccatgg cttattcctt 60
 aatggatggc gcctcctctc acctcttttc ctttgtcttc cgctgcatct ccattgggtgga 120
 aaatcaccat taaaggatcc cattgaagct caaagatcca gcctccatag aagtcccaca 180
 agcaagcttc catcaagaaa taggagaaaa taatggcaca tcacacgctg aatgaattaa 240
 ttcanaaaga agaaacatat agtaagatta atgtacttgt tgcgataaag acttgaccag 300
 atgtgtcggc caagcaagga aggtctaaat tgctacccc acttatgaaa cctcatgagt 360
 gggtagagga actgaagcat ctgcacttat aacctcctcc acacttacct ttacttggcc 420
 aggcaacaaa ggagtgttat gaacaatagt ggatccctca taaactc 467

<210> 7622
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 7622

cagagcaaag gcagataact cttgccaaac accaaccata atcacagcgt tgtctcactt 60

aaagacccca gtcacaattc ctgtcgttcc aatttggttaa ccggtggatc gactccgaaa 120
 ttatactgga agtctctagt acataaccct acattctgac cgctgggac tactatctaa 180
 catccagaac tcattctgca ctacgcttcc cacaaccagc aagtgcatac catttttctg 240
 cacttggtgct atattctgct gcacaatttc acagcagaat tctgcacaca gtgcagattt 300
 cgaaaatcac actttccctc atccaatctt gcccaaatac aatcctacaa gtcccaaatac 360
 atgtatcaat catgtctaaa ccacagtcca gcttctaaac acaacaacac 410

<210> 7623
 <211> 473
 <212> DNA
 <213> Glycine max

<400> 7623

cttttcttct tcaactgggta agcagtttac aacatttacc aaagctcttt ccagcgaagt 60
 ctgtggagtt gcaagagcgc taatgttttc ctgtgcaact tcctccacct tgaagcattt 120
 cctgttctcc tctagatatt ttattgcttc aaacagggtg aagggtcacct tctgaatgtc 180
 aatgctcatc tccagatttc cattcccatc gtccaccaca cagttggcag tcaacatgaa 240
 gggctctacct aagataaaaag gaatctccgt gtcttcttcg atatccatga tgacaaagtc 300
 cactaaaaag gtgaagtggc agacctgac taggacttct tctaccaccc catcaggctc 360
 tgtgattgag cgggtctgta gctgaagcgt catcctagta ggggtctatc tcagattacc 420
 aattcttctg cacattgata ggggcatcag gttgatgctc gccctaagt caa 473

<210> 7624
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7624

tcatgtcttc atggttcctc attgtgctca cttctctctg aagcatgtgt ctgatcccat 60
 tgcgatttct tcttatgaaa actagtttct atagtgtatt attcacgaat ntgatgttct 120
 ttagttaaga gacaaacaaa aataaacata tggcttgatt catcaatcta taaatgagta 180
 atgttcttta ctcagatata tgtattacag agcattttca cagaaattaa gatgccaaact 240
 agagtaattc aatacatgta ttttgtgggt gttaaagtgt ttttgtccta caccctgtg 300

gctatccttg cctctatcat cctatctagt ctt

333

<210> 7625
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7625

taccttgaat gataattata taccttgcac ctcttttgag ttgaatgata ttgtcaaaag 60
tttcaaccct gaacataaat aattatctcc anatacctcg tntagattct aggagggcat 120
atagtttcag gcaaattctac cccaaatttg ggggagtgga actaattggg atgcanagaa 180
agagatatag catcagcaca cacaacagat aagttgtcat tttcaaaaaa aaagtgtgct 240
gatgtaacaa gggtaaaagc aaatgaaagt gaaaagctag tgagcaagcc aattgtatta 300
aaaagaccat tatgataagt ctaggatttg tgctctctta gaatctaagc ctttgaatcc 360
tagaaaaaca aataaattgt tctagccaag cctcactaca agcct 405

<210> 7626
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7626

ntatagaaac agcgggtgagt gctccttgat atataatata gatgggggat tttctgcttc 60
atgatcacct gtaaacaaga aagtttgctt tattattcta tgtaactcat cttatctaaa 120
catttgccct tcttggtttg atgattgtca tagactcata gtttttgctt ttgatataat 180
tttctgcaat catatccgtt ttaatagttt gagtttttca ataatggata tgcagaatat 240
tttcaaaata agttggtaga cagatacat ttcattggaaa ttctcagttt gaaagatagt 300
gtggagagag acaccttctt ccgcaagctt ccaaatttag ctgagcaact tcctcgccag 360
atagtgttga agaaggtata tttctgtgga atttctaatt ataaactata gacggatcca 420
cctttgttat ccaamntttt tatgattctt at 452

<210> 7627
<211> 444

<212> DNA
<213> Glycine max

<400> 7627

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aggcattctc aatggtggaa ggacctccga aagctatata agtcgcttga gttcagtctt 60
attcatcaac agatggtatg gaaggtaggg ggaggggaaa aaattaaatt ctggaaagat 120
aaatggttgg gggatgattg taaacttgaa cagcaatata atcagttgtt cctgattagt 180
ggtcagcata atagtaccat ctccaacatg ggaagcttct ctcaaggcaa ttggtgttgg 240
ggcatacagt ggagaatgaa tctatctgat tatgagcaac atatagttgc ggcatttatg 300
gaagcaatta ctgatataca aatccagctt catatgcacg atattataaa gtacatattg 360
agaagttctg aacttgcata cggattaaag atcaactatg caaagagtag tttcggagca 420
ataggaaaat ctgatcaatg gtgg 444
```

<210> 7628
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7628

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ccttcaatta gaattatata atctgcaaat gacatacatt tagggataat cttttgagct 60
aactntttta atagtaatth tgtgaactta agttataagt tatatatgtc taacaaatth 120
cattttacgtg gataaaacttc actatccact tatatgaaaa gagaataggg taaattagaa 180
ttttgttcct cctaataatth taaattctth gatthttcctg aattthtaatt gtaacattth 240
gatcccttag tttgataaat tggtaatttg atcctcctga tagattatta acatataatt 300
ttgattagtt gagttaatta taaattaatt aaaattatta attattthaaa aattaataaaa 360
atattattaa taatcctaata tctccactac actgtgctcc tcttcttgaa cgcaaataac 420
tcttccacct tcattgtcac atgcaattac cacattaggg ttaatagt 468
```

<210> 7629
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7629

gctagaatac agttacctcg aagaaaaccg cgaagggtcag attggatgct tcgttctcta 60
 aaaaaacctc gagataagct tggaagattc cgctccaatt aaaggggttc tctcgatgtg 120
 ggatttcaac agagaattac ggcggtttgt ggcggccacc gatggttttg ggttgtggag 180
 aagaagcttg tgatgttggg aagggtcttg gggaaaagaa agggaaagaa atggttgctt 240
 ttccactacc acacganaac aaagctcgca acactcaagt gtttttgctc tcgggaaaag 300
 gaacatctct cacactccag aagtcatac gcatacaca atggtcagaa tgtggacagt 360
 tgtcctatga acctcctgaa caaatttcga gatgatccaa cggttaacaa atgaaggagg 420
 ggcaatttac cgagagagc 439

<210> 7630
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 7630

ttttccggcc gtctgaatca acttgggagt ttacttagcg attctagatt catcagctaa 60
 cctgacctgc cttcagttat gtctcgtggg cgctgagcag gaataatgtc atacacggct 120
 accataattc aaattacacg agtgcaaagt tagggctca aaattcacta agtctgccag 180
 tataattctg atcacacatt tgacatcgcc catatctttg gatattggta aagtattagc 240
 tcatggacac ttacagagtt ggctaaaaat gtgctattcc acatgtagac tgtgtgtcat 300
 actacgaact catgcggact agaa 324

<210> 7631
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7631

agctttctgg tcttaacaag actatcgta cgctgccagt cctaagtcga cctaagctag 60
 gaatgcctct acttctatac ctctcagtag ctaacgaagc cgtcagctaa accctcgtac 120
 aagatgatgg gaaacactag attcccatct attttaccaa ccgtgtcctt cacgatgtcg 180
 agaagggata ccaaatagata gaaaaggtag cattagctct tttagcctca gcccgatgcc 240

acaagcaata tgtntagagc caccagggtca ttgatgaaac ggataatctt attagacaag 300
tattgagaaa gcttgagcta gctggaataa tgggtgcagg atctgtagaa atattagtgt 360
atgacctcta atatgagcct cgtggcccca tgaagaccc 399

<210> 7632
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7632

tctcccncaa ttntctataa atagggggag aagtgaagtg nantatgggt cagcccctta 60
ggcacttctc tctctttcga atttgcttaa gaaaattggt tccgtgaaga aaatacaagc 120
cgaggcgctt ccgtaacgtt tccgtaacgt ttccgtgagt gatttcgcga aagatttcga 180
cccttcttcg acgttcttca ttctgtcttc atcgatcttc aggcttcaac gggtaagtac 240
ctcaaaccaa gcttttcgat tcattctatg taccctgtgt ggtccacatt ttgtttcatg 300
tatttttatt ctgcgttcat ttattttgta taccctcttt tgacgcgctt aagccattta 360
tttaagtcatt ttctcgct 378

<210> 7633
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7633

tgagctgtgc ataggaggan aatgagagac caaagtgatg gctctagcca tttctacggt 60
aaattgggtg ttgagaagtc aacatttgat tcggtagagt tttcttcgta aaaacaatat 120
gagcaagttt agattaatgt tatagacttg tttagatga gagtttgctc caaaattacc 180
ccattctcat tttcacttct cacaccttga aaatacacta aaatgagggg gtttagatac 240
ctatatatttg agttgccttg gtctgaagct cgtctttggt ttagatatga tttatacatg 300
atttangact tgtaggacct aatttgggca aaattggatg aaggcaagag tgatttcgaa 360
aatctgcact tttatgcaga catttggtgt tgaaatgtgc agcagaattc tgtgctagt 420
caacaaattc ttatgcatgg ctggttggtg aaagggttgt acata 465

<210> 7634
 <211> 465
 <212> DNA
 <213> Glycine max

<400> 7634

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tttgaatgtc aagttcatat tacttcatga gtcaataagt tatttatgaa catataagct   60
atcagttcat ogaacgaatt atagtctatc caaacgagaa cttggtgagt tgcattgcata  120
agtgggtcaa gaaaaaaaaa gttgatcaaa ttcaatttat tcatctaaaa tgagtttgaa  180
ccctactgaa agcttggatg tgtatttcct tttatgggac aagtccaaat tagatcatga  240
ttagattgag acaaaaaaaaa gtatttaatt gattcatgcc caccatttcc tttggtggat  300
ctgggttaat taggttagtc acttactcaa tacaggttag gcattctgctt gtggtaccca  360
gtgttattgc tgggacaccc agcggatttc aaaattgcc aataaccctt ataaatagca  420
tgtctcgctt tcatttctac aatgcctttt attcgtaaatt ctcac                      465

```

<210> 7635
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7635

```

ngctctanat tacattgatg tntgtatnta tgggaggagg ttgtacgcc tttttgtttt   60
aagagtagtg tcccactggg aaaactaact ttccaaattt ttgccttcgc aggaaatggc  120
cccgaggaag cttgcctcaa agaggtccag gaaggacaag gcagccgaag gaactagttc  180
cgctccggag tatgacagtc accgctttat gagcgttgta caccagcagc gcttcgaggc  240
catcaaggga tggtcgtttc tccgggagcg acgcgtccag ctcanngagc acgagtatac  300
tgatttccag gaggaataan ggcgccgacg gtgggcatca ctggttactc ccatggccaa  360
gtttgatcca gaaatagtcc ttgagt                      386

```

<210> 7636
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 7636

cgctgcanaa ttcatttctt ggttggtgtt atgggttgtg ctaaagggtg tgttcgtcat 60
tggaagtgcg gtagacagac tttgtggttg atttaaggat ggcctttgcg gatgaatggg 120
tggcgggtaa tgataagagc tgatattggc tgagtaatga tattgttggg ctggtgggaa 180
gtttggccac gtaggaatga caacctcaac atgggttact tcctaattct catcctcttc 240
attngcccca gttttctcat tcatcaaagc aggatgatca aatntgcctc ttttcagacc 300
cacttcgatc cttttgtcga tg 322

<210> 7637

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7637

tttttgtatg gtnattatc agagttaaag tgagaattaa ttttagtgtg aatatatgta 60
gtcttcacat aattgaaaaa aatattgatg tttcaaaaac tcatttattg taatatattt 120
taaatacaaa atatatcatt tttattcttt taagtgttag aaacactgca ttataattat 180
taattttatg tttactcatg tttttcatta tattcctcat tgtatttctg gtattattat 240
gaatgaaatg tcttaagttg tctcctctaa aaaaaaagca aactatccac ctgctgcatg 300
gctacaacac gattttcaac aattttaatt tcattttgct ttttatttta ttggattttc 360
tatgttgggg gttttcagag gacaatgagc ccggatcagt gtcccaaaca tttttttacc 420
tgcttccttc 430

<210> 7638

<211> 314

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7638

actatgatac taagctngaa tgaggaagtg tggaaagggtg agacttccta ctcttattca 60
ttgaccacag agtggtacct ggagatatgt ctcgggggtc acgagacctt gaggacgtca 120
tgtgggggtgc tattgcccaa aaccaagctt gaccaattcc gaccaacccc gggcgtaatc 180

agtcagtgag aacctgtgat gtacctaacc atgcaagctc ctgtcagtca accgatcaaa 240
gaacaaagac cacaaagcaa ggacgcttgt gtgggtggctg gccagctgtg aatcttgagt 300
gatataatcg atat 314

<210> 7639
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7639

attatgaaat tgatgagtgt tattacgtct tgactctagt gtgtgattca tgtgtaattgt 60
gattgggtgat tgaaaaatga attctaaatg ataaagtggg gaagtgatat gcattgtatt 120
aagttgagct atcttataaa tatttatata atgtatcttg cttatgtctt tgttcattctc 180
tattttatct aaaaatatga taactcactc cctatgtggt gtctgtgttt ggatcctgtg 240
atgatctcaa accttatgtt tgtgggagca tatgactagg tggatgactt taaataatct 300
cgtgctagag gatgctggaa cacaatgctc taataggatg tgacattggg gcatgagttt 360
ctgttttaat tgcataatgt ttcanacatg tattctactt tantttatct cgctgcttaa 420
cttgagttct tttgtaattct tggacggcct tgtttgagcc ggagatgttt taataagt 478

<210> 7640
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7640

tntctagcct ggatgtatag atctagggca cgtagcttgt ctccgtaatt gctataatag 60
cactggccaa catcttaaac tacctgtcca cattattgcc ttactggag aaggtgcaac 120
cgagcccacg tccctagaga agagctaaac agcaaccgca gtcattgggaa caaccatcac 180
tcctgcattt tacacatacc cgattatgag cgtgctacac cgagcagccg ttccaagccg 240
tactggacag aatgtttgta cgcgagctta catagggact caggcactag aagtggactc 300
gttctttcaa atgaatacgg aagcctctgt tggcatcact gagcgctcac atatgctact 360
gtcatgcana cacaatcctt gagtatatac tcatgctcgg ctacatatga tggggctgcc 420

gcaatatgaa tcttactatg cgtaaagggt acgnttgacc tatcactttt gccacatcat 480
 tgatcg 486

<210> 7641
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7641

tcaagcttag gactcattct ntaactgccac acagagagag atgcagtttt gctaagccca 60
 gactagagta tcttggccac atcatttgtg gttttgggggt ggcagcaaataaatccaagg 120
 tggcagcaat gagttcctgg ccagttccta aagattcgaa gagtttgaac gggttctagt 180
 acagatgcaa aaaatatata aggtttattc tagaatgaat aaaagagggc ttggatttac 240
 ttagttgagc cggttgggtg ttaacatttt acgcgaatat tacatgatac aacaatattt 300
 aacatgcgct atcattaatg tcatatgacg catgcagagt tctgagtgga acaccgagtg 360
 taacatataa gatgtgggggt atctttaagg ttttaaaaa 399

<210> 7642
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7642

tgctatanat aggggaagaa gtgaagaaga taaggttcag ccccttaggc acttctctct 60
 ctttcgaata tgcttaggaa aattgtttcc gtgaagaaaa tccaagctga ggcgcttcg 120
 taacgtttcc gtaacatttc catgagaaat tacgcgaaga ttctcgaccg ttcttcaaga 180
 ttcatcggtc gttcttcggt ttcttcagtc ttcaacgggt aagtacctca aaccaagctt 240
 ttcaattcat tatatgtacc cgtgggtggtc cacattttgt ttcatgtatt ttcatctcg 300
 ttctcattta ctttttatac ccccttttga cgtgcttaag ccatttattt aagtcatttc 360
 tcacttaatc taaaaataaa ataaatttcc accgattggt tgaattgtat catccgtaa 420
 tttcgggtaa aatgaattcc g 441

<210> 7643

<211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7643

ntagactcat agccatcatt aacaatctca tacatgtgaa ttgtcccgtc ttgacctcca 60
 gtaaaaagga agtcccctgt atggcttcgt gccaaagcat aagtattacc aacatgagca 120
 ttatgaacaa tggtcaccaa agtcccacat tctcacaaca gagtcatacc cagaggtaaa 180
 tatgagcttc gcataagcca atacgaaaac attattaaaa tgtaagtgtg aatttgattg 240
 cattactgtt ataacttcac ctattttctg ctttcattct tggatcttat aaaattctta 300
 aatgcgaaac ttaatcataa aatccaataa ctatgagaat attcattaaa gaaagaagat 360
 atcaatacat gggataagcc aacaaatata atatatatat ataaaccac ccaacacggt 420
 gaacaagcta taataca 437

<210> 7644
 <211> 269
 <212> DNA
 <213> Glycine max
 <400> 7644

ttagagaaaa tagtgcataat gcactgtacg tgtaccgcgt tttatacaaa tccatcaatt 60
 taaaatcgat atgtatgtta agtttttatt attattatta taacacaact accttaaattg 120
 tatacataat gtgatttatt tttgatctcg atgcacttaa aaaatgcatt gaaattgaac 180
 tctaaatttt tattaatatt aaagaatgag ttcgaaacgt attactaata cttgtcttat 240
 attgtaatat caacatcttg gacggacac 269

<210> 7645
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7645

tattaatggc tnggcagcan agtctgatca ttcaccata atcatccacc tgcattgggac 60
 taatcgtaga agcttcatac gacaatttag atntgagaat tcttggcttc ttgagctaga 120

catggtcaat attgttgatc ttgcatggga accacaacaa acgagtgact ttattcacat 180
aagatttcaa taccaggacc aaattgatat atgtgagcat gaattggagt agagaaagaa 240
ttcaaatgat gatgttaatg gtgcggccta tttggaaaca aacaacaagt tttgtactct 300
tattgcgcta gaagaagctt attggagata gaggtccaac gtgttcttgt gacaccctct 360
acctcgacat aca 373

<210> 7646
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7646

gagtgaagat gagaagaaga agcttgaata gttgaatgta gaagttgaca acctctgcaa 60
ggtgatcaag gatgttttgg gtgacaaggt tgagaaagtt gtgggtctctg accgcgttgt 120
aaattcacca tgctgtcttg tgactggcga ataccgctgg accgcacaca tggaaaggat 180
aatgaaggcc caagctctaa tggacaacag catggcaggg tacatgtcaa gcangaagac 240
catggagatc aacctgaga acccaatcat ggaggagctc acgaagcgtg ctgat 295

<210> 7647
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7647

tctatataag ctgaaccatn ttatcaagta acacaagttg agttttattc agataattag 60
agtatatctc tttgatctta gtgagagtga ttctcctaaa ttcttgagtg attcaagaac 120
acctgactg tatcaaagga cattcacaac cgaagtgtgt tgccctcgct ggaaagagtg 180
attctttcct tcctctcctc ttacccttg ttctttcaaa ccacaattcc agaacattca 240
cctctgcccga gaattatctc gtggccataa ctcccatttt acgcactcaa cataagtgat 300
tcttgagcct aaattgaatc tcaaaacgag accttgcacc tcgttttgga atgacctcat 360
ntggagccct gtagcttccg ctcttgccat ttctatattt ctgtccagcc accacttaac 420
ctactgtcta ccattccatt catccatttt atgccaagaa cca 463

<210> 7648
 <211> 549
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7648

cgcacgagga tgattgcnat gcatgtncgt gacgctacac aatacatcag cttagctagt 60
 cataagggaa ttctgtcact tacatagtgc gcgagcactt gttgagatca aagcaattac 120
 gagtatatct cagaccaaaa tgaatgtgga ctgagatcgt accttaccat cttgtgttgg 180
 agatatcgaa actgtatcag acatggatac taaggagcac gagcatacac ctcaagacga 240
 tcacccgtct ggaagcacca tatatgaaac tgttatgcga tgacgttgct catcatggac 300
 aaatgccctc gacccatcat acaccatata ctagagtcgg tccatcttga tactagcatg 360
 tagcacactc tttcattcct ttcttcgaga tgcctgaggg tcgaaactca cgcaattttg 420
 cttgcgacgc ttctnctact tctactccac cataggggtct ggcatatgag aagaagagtg 480
 tgttatatga caatggcgac caccacagg aaatgcagca ctgacgacac tttctgctta 540
 tgatacatt 549

<210> 7649
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7649

tactaagctt gaggtangag aagatgagtg gagggagagg gagagaaggt gtgctcatat 60
 ttatgcctta aatgaggtct gaaattcgaa gtctaatttc tcaaagtatt aaaggtgaaa 120
 aaatgcacac acaatacctc tatttatagc ctaagtatca cacacaattg gagggaaatt 180
 tgaatttgta ttcaaatttc actggaattt gaatatgaat tgggtggagcc aaattttcac 240
 taattatgat tagtgaattg tggttatggg tcaaccact aatccaagat caagttcaag 300
 attctccact aagtgtgctt aggtgtcacg agacatgtta aacatgaagg acatgcacaa 360
 agagtgactg tatgatgtga caatgtggtg tatcaagaaa atgctcattt ccccttata 420
 atggtccaaa atttaattgg attgcgcttc tcccaattta attaaatnta tcctccaata 480

cacacacatc agatagtgca cttaatgcg

509

<210> 7650
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7650

tactaagctt agatcatcct tggatatttcc attatcagtc aacagactca cctaatagaa 60
accacagcca attgggtaag aatgctttgc tactctcaga anaatcacia taatctaact 120
gtttttttct tgctggatgc ttgcttttac actaccagtt agagttataa tatagcattg 180
ttttacttgt ttaaataaac caagttatat ttagtcaact tcacaaaaat atcatgttgg 240
aagtgcgccc aatgccattt tatcttggat tataaaccg aaaggagaaa acaaaacaaa 300
caaataattac tatcttgaat tgaatgtaa ggtttttgtt agaaattaaa aaaagagaag 360
aaaagtagaa tcaataggag atattcgact ttctccatgt tatggaagcg tgccagaaga 420
ctatntttat cttctanagc aaccttcaac aaaagataat ctcagttttt agaacatg 478

<210> 7651
<211> 218
<212> DNA
<213> Glycine max

<400> 7651

tgacacactt caaggtaacg ttctcctctg ttctcttgat tacgagcgcc cttcctcta 60
ctctctctct atgtgctttc gctccattga acctgtatct ctaagcttct tgtccaaggc 120
actgtatcgg aggagaagct ccttcttcca tgacttattc cctagtggat ggcgccatct 180
ttcatctctt ctcttttatt tcccgctgca tcttcatg 218

<210> 7652
<211> 417
<212> DNA
<213> Glycine max

<400> 7652

atacatagca tgcacgaact atttcagttg agaccaatta tgagtatata gcagctcgat 60
gagaatgtgg actgacaagg agcccagcct tcttttgtgg gagataatga aagttttaca 120

gccaaaggcac ctcaacagca tgagccagaa ccagaaaacg atcactcatc tgaagccacc 180
atctctggag ctgtgatcca atgatgctgc tcatcatgga ccaatgccat cgtcagctga 240
tgcaccattt ccaagagtgg atccatcttc acctcagcac gtagcagact ctttcattcc 300
tgtcttaaag atacatgagg ggccagacca taccaattct tcctttggac acttctccta 360
catctactcc agtatggcgt ctaacagatg agaagaatat tatgttatac gacaatc 417

<210> 7653
<211> 425
<212> DNA
<213> Glycine max

<400> 7653

tctagctgag ttggtttggt cctttgatga ttattgtgta tattgaccaa ctgccctatc 60
ttttacttgt ttacaaatat atatttgatg ttggcatgca catttattta atgtaattct 120
tttgatatgt gtagatagag aaagggtgcat gctacatatt gtttaaaaat tttagaagcc 180
cagtaatact gcatgataag gatgcaggtc ttaaaattct aatgaaaggt aatggctaata 240
tgttcatgat taacatcttg caagcaatgt gagatatgtc tttttttcat gttttatgta 300
tgcattttta caatttttta tgttggtctc aaatgtagtt gttcacgagt tacaagagca 360
acatgggtgct gattctaagt cacttaatgt agtgagatgt acatatatga atcaagatgg 420
gatca 425

<210> 7654
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7654

nggtgcgtat gatntatatg ctccagcttg aggaggagtg tttaatattc taatatttat 60
ctatgttagg tagcttagtt ggtaagtttt attcagaagg cagcactgaa ttgtcaccgc 120
caatagcctt ctctctctct tgcgtcttga atatatgtat ctttttgaaa tcaataaaaag 180
ctaagagaga aagagtgaat ttttccctta actcacctca gtcttcaaga agtctatata 240
ttcttcattt gttaatatat atacaaatta atactacctc acacattcat tatatttgta 300

ttaattattg aataattctt aaatgaggaa attacattat atatgactaa ctagggaaaa 360
ataaaataca aacattcttt tggtttaatt aaagggagaa cagaanaatt ctctttcttt 420
ctctctactc ttttaattcaa agtataatat atctttctat tctc 464

<210> 7655
<211> 311
<212> DNA
<213> Glycine max

<400> 7655

ttcgagtgtc tcgatatatt acttgactca atcagacatc cgagttaaaa gttattgtcg 60
tttgaaattg ctacgagctt ccgttatcaa ttgcgagcgt ctagatatac taacggacac 120
aatcgtacat ccgacaacaa agataatgtc gtttgaattc gctcagagct tgcgttttat 180
atttctgagc gtctcgatat actacaggac tcaatcggac atccgagtaa aaagttatta 240
tcgttggaaat tttctaggag cttctatctt taatttggag cacctcgatg aattgccgga 300
ctcaatccga c 311

<210> 7656
<211> 308
<212> DNA
<213> Glycine max

<400> 7656

tctcagcttg tacacacgca catctttttc gtgattatth agtttattac gagtatactt 60
gcgcaaaata taacctccga aaagtatgat agaattaaga atattgttta cacaatagtt 120
gagatataac cactctatgt cattgtatta atataaaatt gatggacaac cgccaatatt 180
gagaactcta tcgaggatat aacattaact acacgtgttc caacataaat agagataccc 240
cacgattatc aaatgcaact aataattttg agatatggag cacatacata tgcgttagaa 300
atagatcg 308

<210> 7657
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7657

gtggtgcatg tgaactcgng cagtaacaat ttgtctggng aaattccaca ctccatggcg 60
tatctgtctc aacttgagtc tttgctgtta gacgacaacc gcttctcagg atatattcct 120
tcaacactgc aaaattgctc tacaatgaaa ttcatagaca tgggaaataa ccaactctct 180
gacacaatac cagattggat gtgggaaatg caatatgata gaaatgtgat tagtgaagag 240
gggcctatgc caaggggtgtg gagagcttat actacgaaac agacaatagg aatgaaagat 300
gatgacgtgg ctgtgaacgt atgagagtga ctatatatag ctattgctgg 350

<210> 7658
<211> 165
<212> DNA
<213> Glycine max

<400> 7658

ctgcacgcat gcaagcttga atgcgttttag accgacgtga cttatattct tatggtggta 60
gctgtgatgg tttcacattg tgggccaag tgatggctag aaccactgtg ttgctggcgg 120
aatactatgt cagcactggc agttccatta ttgtcaccca acgca 165

<210> 7659
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7659

agcttgcctt gccccttgat atattagagg gactcatggt cactatgaat gacaaattcc 60
ttgggataaa ggtagtgttg ccatgttttc aaagcccgta ctaaggcata caactcctta 120
tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240
aaagattttt gaaagtgtgg caacgcaagt atggnggcat tagttagctn ttgcttaaga 300
acattgaaag cttcttcttg tttctctccc catttg 336

<210> 7660
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 7660

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agcttacctt gctcggcggg ctcttgatta cttgattggg tttaacatth caccattact 60
atggaggaag ttaccagggt gccaatcagc tggaagagtt caatctgctg cactttctct 120
tatatgtgat agagaaatgg aaattgatga atttaaaccg aaggagtatt ggactgtgga 180
ggttcaaattg aaaaagaaag agctgagatc aaacaagaac cttacttttc ctgctcactt 240
gacccatttt gattcaaaaa agttgaataa gttttcaatt acttctgata ccgaggcaag 300
agatattcga agcaatataa actcagctga ttttcatggt gttagcttga aaaaanaaaa 360
aagtcgaaga aatcctccaa caccttatat aacatcgaca cttcagcaag atgctgcaaa 420
caagttgcat ttcactgcaa gtcacacaat 450

```

<210> 7661
 <211> 493
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7661

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gccatgattg aatcatctga cncggatctt gaagtcgttc tgcagctgcg acttaactgc 60
cgagggtcaa ccggttattg agctgcccg ggtgttaaat gagatatggc tacgtggagt 120
acatgagctc acttggagtg gctacatggg atggcggggt tatgcacacc ttgtggatgt 180
ggaaaacttg ttgtggacca ttctccgacc gtcactatatt tccacatggt atgggttccc 240
catcatcctg caagcttgat atgaagaagt gtataacggg gaaactttct gcttttatgt 300
cgtgaccaca cagagtgaac tgcagatc caacatggcg ttatgagatc ttggtgacac 360
aatgtgcgtg ctattggcca taaccaatct tggacaatcg ccactcacgc cggccttaac 420
agtaattgga acctgtgatt tacctaaaag ccaactcctg gattctccta ttataggaca 480
ccacaccccc ccg 493

```

<210> 7662
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7662

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 taatctaact tcaagatgga atcggagctt accatggata tgatagtgag ccatcttcaa 120
 ctgtccaaag atctacctgg cctcacagct ttcccaatgc aatatattaa aaaagttcta 180
 caagctccat gccctagatg tccaatccta tgcgtaaggg gagtgtaaag atcccacatc 240
 gactataaat atggccaaag tagaacaata atttttacct catgagctag tttttgtgat 300
 tgagttaggc ccaacccaaa ttcaagatga aataatatgc tntactgaag tgttacctat 360
 accatgatcc tctttgggtc ttcttgaatt gataaggaac atgaatccct cattgtctag 420
 ggaaaaagag gggattctga tccacatatn tgacgttcat tgtcctcatg 470

<210> 7663
 <211> 534
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7663

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 gcaagcttga attgactgtg gctgcagctg taaactgctt actacttatt gcaaagtact 120
 agggattttc gtaccgttgg acctgtatca tacttgctgc tattgcatta cctcatatgt 180
 caaggatgtg cacatttctt gatttgaaca catcatctat aacatttggg ataatatgaa 240
 ccaggcttcg tgtgaaagcg gcccttttca gtatgagcac aattgccata aagttatgtc 300
 tactgactta atctcaggcg actactcaa tgggatggat taagtgcaac attgatgggtg 360
 caacaaataa gtgtctgggg ccttcagcta gcgggggaat ttttcgtaat tctaggggtg 420
 ctcttttggg gtggttctaa aactgctaga tacttcacat agcgtctatg cagagtngca 480
 ggnngatatt tactattgaa aaacacaacg cagaggtccg attaattatt gttt 534

<210> 7664
 <211> 217
 <212> DNA
 <213> Glycine max

<400> 7664

agcttatctt atggatgctt gcgatatggc tacttattat aattccaagc aacttctggg 60

cagtggaagt aaccgtgttt gtcaagcaag gcacaacaat ggaaaggaac ctgggccaga 120
 acttgcatat accaacagcc ctctatgga actttgtgga ggacaccatt ctcatattgtc 180
 tccccattta cgaacgttac tatgcaccat tcatgcg 217

<210> 7665
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7665

agctngtgaa gattgatggg gacccggtgt tgatataaat gaggatatgg gctacgtggg 60
 agtacgtgag ctcatgttga ggtgggcaac acgggatggg gggtttatgc gcgcattgtg 120
 gatgtggaaa acttgttgtg caccatcgcc cgaccgccac ctagtaccac atgtgatggg 180
 taccataa tcctacaagc ttgagatgag gaagtgtaga aggggtgaaac ttctgtcttt 240
 tattcgttga ccacagagtg gtacctggag atatgtcaca gggg 284

<210> 7666
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7666

agcttgtaat ctattacaca catactgtaa tcgattacca taggagttnt tcacaaaaca 60
 ttctcaacag tcacatcttt atatctgatt cttaagtggc catcaaaggc ttatatatat 120
 gtgactagag aactaattt tatcataagt ttccagatca aaaagggtcta atcctcttaa 180
 aaagaaaaat ccttttatcc tcataccaat tccttggcca gaacactggg gactcaataa 240
 agaattattt gagtgtcaa attgttcaat ctatctcttt taacagagat ttcttctttt 300
 cttcctctca ttctg 315

<210> 7667
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 7667

agcttcgttt aatccgcaga cgaaattccg ttgcgccaac cgattcctaa ctttccggtt 60
gttcaggaac gacgtcgcat catcccgagt tttgatcaga tgggtgaggc tccaccggcg 120
aagcatatac ccgctgggct accggctttg cccgatcctc acacgtatat tcacacaccc 180
gtgtgggatg aaagaatctc tgatcctcgc gaggataaga ttgaacaagc gaggcagcgt 240
aggaaagctg agaggtcgtt gttgagtttg cagaaacggg tgttgctgcg taatgggtcg 300
gtggaagcaa gtgcaataac atcatcttca ccgaatagtg ctgctttgga tcctcaagtg 360
gttggtgagg atgataaggg tgttgat 387

<210> 7668
<211> 302
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7668

agcttcctcg gggccatttc ctgtgaatgc aaacatttgg aaaggtagtt ttaccaagaa 60
atgctactct taaaacacaa atggcataca acctccttta ataaacacaa acatcaatgt 120
aaatttagaa taaactcatg cacatactcc cttacgaacg ttcacttgca caagatatcc 180
tctaactaaa aaaaatgcac ccacgcacaa tcaaggcacc ttcgtcacct agaatatcca 240
tatgtacttc cgacgtgtat ntagtaccta catcacatgt actttcttgg ctaaattaca 300
ca 302

<210> 7669
<211> 384
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7669

agcmttgggt tgcanttggg cgcctatntg aattccctac gctgtcccta tatatatata 60
aaccagcccc acaatcotta atttcaaaaa tcacattcat acgtcattgg ggcatttcac 120
cgagcacttg gtgggcgcgt gtttagacat aaattgcaag agaatggggg caatgtggca 180
tgccccattg cttcagaata caccataggc ctaaggcctt ctcacacaaa tccttaactc 240
aacaatcaa gcataaaaag caacccaaaa ctgccccaca agcatgagca tgttctcaca 300

atttagagca ccaaaatgaa caaaatgcac caacgaaaag caaaaaactc aaggatngaa 360
tacttacttg ttggagttag taga 384

<210> 7670
<211> 286
<212> DNA
<213> Glycine max

<400> 7670

agcttctttc acatgataat aataccattc cagagtttct atgtgcccac taatttaatt 60
acattgaatt agagcttgaa ttacacaaaa atattacttc aatcagtaca acatccatta 120
accaaggccc gattttgtag gtgtataaca atgtcaatta tgtacaaaag tcaagtaatt 180
aaattccctg tacgtaaggg cattcatgag tgacatgagg ctcatattgtg ttgttattgt 240
ctttgaaaat tattatatct tttgttcatt tgttttcatt atttat 286

<210> 7671
<211> 411
<212> DNA
<213> Glycine max

<400> 7671

tgcacgcatg caagcttata tcaatttcct tgctttcttt tcttctcta caagtgttta 60
tggaaaagct taccctaaca gggtcagaag cataaacaac aaccttgaaa caatagtgat 120
aatcaaatga gagatgatac atagcagaca actcaaaaat agtgagtgcac tgagatatca 180
tggttggttg gagcaacttt aattccctta aaataatttt tcagaaaaaa gcaacagttg 240
catcacaaat tgtgaagttg aaggagctga tgtggcaacc aattatatgc aaactgttcc 300
ttttataaga ttcaggtgct tatcaatgaa aaaggttaata agataaaaaca acagcgtgga 360
agagtgaata tggtgaaaac acaaaaatag tgtgctagat gtgggataac t 411

<210> 7672
<211> 385
<212> DNA
<213> Glycine max

<400> 7672

agctgtgaaa gatcatgctc atgttgaaca agagactaga gagtgggttc tcatcgatgg 60

actattttta tcagaacatc actatatgga aactcgctac acctctaattg ccttcagaca 120
ctcctgcctt ttctattgat ctctcatcag accttgatta tcccgggtgat aactatttaa 180
tgaagctaga tgaagatatt gccgaactcc atggggagaa aaagtaaaat ctagagctag 240
cgacatcatt tgaggggaat ccataaagcc taaagaaagc atcgattcat agggagtttt 300
atatttaaag ttttaattct ttctttccct gaagcttctt attttgtaat ctaacacata 360
atcgatgtga caactcttat atgaa 385

<210> 7673
<211> 399
<212> DNA
<213> Glycine max

<400> 7673

gcttgtgtga tagaacaagg agcgcaatga ggtctttggt gcaagagcac cgaactgttt 60
caactgcctt tgggggtgata aagatacgta atgcttctgg tatgttgcca acatacacta 120
tatttgcttg taaagcatag gaattgtctc atattttaca agataatgaa tctatacgag 180
ttaatgagag agagcaacta gaaccacggg aatgaaaaaa taaaaaatat aaaaagccac 240
acaacacaag aataaattct ccccttcgca ggtaaatata taaattatat atagagagag 300
agaattattg gacatgacag aaaatataac tcaggtaagg atgattatat ttctccttg 360
aacacacaat attgctattg aacaataact atataactg 399

<210> 7674
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7674

agcttcctta tgaagatntc ctaaaaagct agagcttagt tacacatacc tctctaattg 60
ctaagctcac cttcttgaga tgagaagcta gagcttagct acacacctcc tataatagct 120
aagctgaccc catgaaaata caaaaaaaaaa tcctactac aaagactact taaaatgcct 180
cgaaatataa ggctaaaacc ctatactact agaatggcca aaatacaagg cccaaacgaa 240
ggaaaaacct attctaatat ttacaaagat aagctggctc atacttagcc catggactcg 300
aaatctaccc taaggctcat gagaacccta gggcattccc ttgaatctct ggcccaattt 360

acttgagatc ttctatccaa tgccttgcg gggtaggatg gcatcacaag taccctccac 420
 ttgaactgat ccacaagaga t 441

<210> 7675
 <211> 239
 <212> DNA
 <213> Glycine max

<400> 7675

agcttcaaca tcagaccact tccaggggtgc tggatctact tcacatggat ttgatggggc 60
 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgggtgtg gatgatttct 120
 ccagatttac ctgggtaaac tgtatcagag agaaatcaga aacctttgaa gtattcaaag 180
 agttgagtct tagacttcaa agagagaaag actgtgtcat caagagaatc aggagtgc 239

<210> 7676
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7676

agcttgccac ccagctcgcc caggcaagct ctgctcgctt atgcgagcaa ggtggcttcc 60
 tccagaagca accgtcttct ggagggccca agtgggcctg gttgctatct gcatcccat 120
 ttttactaaa tacaccccca actttttttt gtgcttcttt tttcgtaaag ttacggaaac 180
 ttatgaattt cgtaacgata cttgttttct ttcgtaatg ttacaaaacc ttgcggattt 240
 cataatcatc cattttntga cttacggaac attatggaat ctacgaatt gtgcaacgat 300
 gcttcctttt tgatttctgg tatgtca 327

<210> 7677
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7677

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 aaattcccaa acacaaccaa tttgagttca caagaaaaac cctcgttacc taagctttta 120

agagatccac acccaanaag gaaaagatga agccttagag ggagaatgaa gttcacaagc 180
tcacaatgtc ggcacnaata atttggtctc cttcctctct tgtctntgcc anaaaaaaca 240
aatggagaag ggttgaagca ttttctcttt ttctggataa ggttgggagg ttagagttag 300
tgaggaacaa attgagagaa tcgatcgtgg g 331

<210> 7678
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7678

agctttgagc aaattcaaac gacaataact ntattatcgg atgtccaatt gagtccccta 60
atatatcaaa ctgctccaaa ttgaaaatgg aagctcgtag caaatTTaaa cgagaataac 120
tttttactca aatgtgcatg tgagtcacgt aatatatcga gacgctctaa attgaaaacg 180
gaagctcata gcaaagttaa accgtaataa cttttaactc ggatgtccga ttgagtcctg 240
tgatatattg agacgctcaa aattgaaaac agaagctctg cgcaaattct aacaacaata 300
actttttact cggttgtccg attgagtact ggtatatgtt gagacgctcg aaattga 357

<210> 7679
<211> 402
<212> DNA
<213> Glycine max

<400> 7679

agcttcatga tcctcagtta tggctgtaag gaatttatct tggcaacaat agatcgtgct 60
tagccaagga taagttgtcg cttactgatc aggctaaagc ttagccgaat tcatatcgaa 120
ttgaagttag cttagcttat ccttggccag cttagtggac caaatcagcc tcaaatgcaa 180
gggttggggg ctaagcgctt gagactctac gcttagcgca tgaccaaga tgcgcttagc 240
acgaagttgg cgcttcgcaa aaggactgtt tttcaataaa tgttatataa gttatTTTTc 300
agtccttccc tcaacaaatt gaaaccata tatctaact tcaaagatag gttgatatac 360
tcctatgtat agattatgta gcaagttccc aatgatctaa tg 402

<210> 7680

<211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7680

agctataaac attaaaaaga ggtttacata aattcacaga tattcaaata tgggaataat 60
 acaggcacia taacctttta attttatacc aaaaggatta cccacccgca taagctgttg 120
 aacaaaaaga gtaatatcct ttccaacaat atgaatcgat ttgatgctac tccaataaac 180
 atagccatct gtaacaggta caacaggaat cgatttccaa tgtcttcatt taccggctca 240
 gcctgtgaga ctgttgccat gttcgacgat tccccatgtc atatccattn tatgtaagtc 300
 ggaactatcc catcacagat aagatgagaa tctatgttct ttacttggtg tcgtctccca 360
 tttgatagct gacacataga caaaatattt cccacagag atagaca 407

<210> 7681
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7681

agcttatagg atggctgaag atcaacctcg cagagtcact cttgaggact actcaagctt 60
 tactgtgccg caattcttta caggtattgt gcagccagag gtgtaggcac acaacatcac 120
 ataccacat tctttaattc agttgataca atggaattta tttcatggtc taccacacga 180
 ggaccatata gcatatttga caacatatat tgagatatac aatactgtca aaattgtcgg 240
 tgtgccagaa gacgcgctaa gcttgttttc attttacta tccagtgaag ccaagaaatg 300
 gctacactca ttcaagggca acagtttgaa gacttngat gaggttggtg aaaaatttct 360
 gaaaaagtat tttcctgagt c 381

<210> 7682
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 7682

agcttgcttg gtagatagtc aaggcttgga cacctactgt ggggtggggc ctggtatgct 60

ccctaattggg gggatacggg gtcgtcacac aaatctacat caaatatggt gtcgccttca 120
agctttcagc atagcattgt tgttcctact tttaattctt cttgacaacc atgatattct 180
ccatcaaggt ggggactttc atcttgagat gtatggagat gatgactcct agctcgtttg 240
gtgttttcct gccaatcaaa gcaaagtagg aggtatttgc accaacaatt aaatacctaa 300
ttgtgaagct ccttgagaga tggccttgat c 331

<210> 7683
<211> 524
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7683

gacacatttt tgaaccgtct cgacccngga tctgtaagcc tcctgcggca tgcaagcttg 60
aaacctatag cataatcact tgcacgcac attaactcaa attcttgccc ctatctggtg 120
ttgtaattac tgggtgcaaac actaatnttg ttttcaaact attaaatgct ctcatacatt 180
cttcattgaa cacaaaagca acatctttat tcaacaaatt gctcaacagt ttggctactt 240
tggagaaatc ttttatgaat cgctgtaga accctgcatg tcctaagaaa cttcttattc 300
ccttgacatt caggggagga ggtagtttct caattacatt gtccacctct ttccctctta 360
cttgaaattt atgccccaac actattcctt cttgaacct gaaatgacat nttctccaat 420
tgagaactag attagaatct tcacatctct gtatactctn tcaagggtga taagcagcct 480
tcaaagatgg cccaaaatag agaatcgtca tgaaacctca atgt 524

<210> 7684
<211> 375
<212> DNA
<213> Glycine max

<400> 7684

agcttgcaag ccaaategta aaatgcttat acctgtatag aatcccaggc ctcgaccgtt 60
agatcgtcaa atgattcaag atcgagtgat agagttacga gaaattgtgc caaacggagc 120
aaaagtatth gcttgthttat tctttctatt ctaatttttt ggtaatttaa atatcttggt 180
ctgtcactga gttgtthttt tttctttgat ctctthttat gacttgacag tgtagcatag 240
atgcacttht ggaacggacc attaagcata tgctthttctt acaaagtgtg acaaagcatg 300

ctgacaagct gaaacaaaca ggggagtcta atgtatggga cagtatccac tattcactcc 360
cgtgccttct acctt 375

<210> 7685
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7685

tgtgctagat ggggtctaac cattcttttt ttggtgtacc cctgatttga agatgggtga 60
acactagctt tgggtgccac aaatcacttt ctgattagaa ccttcttaac atttaaagat 120
cttaatgcta ttctattttc atgcaattgg gaaccagtcc tttttaggaa ttntaccggc 180
aacttttttt ttgctcttt tttgggggag ggaaggactt tggtaatcat tgatgcagtt 240
ccagcacaac aatgatgctt gggtcagcta aaagttcatt gaattttcca gctaggtgtg 300
agctagtatc agtttatata agaacttgtg tatacatttg gagcatgcc aaaaatgggg 360
tacttcaatg ctcagtgcta ctatttttaa gtgcanaccg catcacgtga tgtaatctat 420
ga 422

<210> 7686
<211> 336
<212> DNA
<213> Glycine max

<400> 7686

aacaacactg tgacaaaaac aactgttaga taatagcatt cagataacgc taagagggtga 60
tatctaactg atacgaagct ttcaaataat acttatgtaa tcaagtgtta tttgggtgtc 120
atcatcattc aacacttatt tgaacaagag tttttttaa tttagaagaa aataacatat 180
ggcattagct acacacagtg gtttatatag tcattacaat tttaggttta gtactcacta 240
tttcatctag ctatcttgag tcctgtgtt cctcgcacc gataacctgc ccctctaaac 300
gcctcattca aatgacattt accacttact acacat 336

<210> 7687
<211> 216
<212> DNA

<213> Glycine max

<400> 7687

agcttataga ttatataata aaagaacaat gacatttgaa gagtctatac atgtttcctt 60
tgatgagtct aatgccattc ttccaaggaa ggatttttta gatgatattt cagattcctt 120
agaagataca catattcatg gaaatgactc ttaagaaaaa gatgaaggaa gcaatgaaga 180
ttctcaagat aatggagtta gaacaaataa tgaact 216

<210> 7688

<211> 273

<212> DNA

<213> Glycine max

<400> 7688

agcttataga gtatataata aaagaactat gactattgaa gaatctattc atatttcctt 60
tgatgagtct aatgctatct ctccgagaaa ggatatttta gatgatgttg cagaatcttt 120
agaacaaatg catattcatg gacaagattc taaaggaaaa gggaaatgaa gcaatgaaga 180
tcctccagaa gaagccaaat caaatgatga acttccaaaa gaatggaaag cttcaaaata 240
tcatccccctt gacaacatta ttggtgatat ctc 273

<210> 7689

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7689

agctnttaac tcggagggtcc gattcaagcg cataatatat cgagacgctc gaaattaacc 60
aacggaagct ctcgagaaat tcaaatggct ataactttta actcgagggt ccgattcatg 120
cgcataatat atcgagacgc tcgaaattga acaacggaag ctctcgagaa attcaaattgt 180
tcataacttt tcacacggag gtctgattca ggcgcataat atatcgagac cctcaaaatt 240
taacaacgga agctctcgag aaataccaat ggtcataact cttcactggg atgtccgatt 300
caggcgcata atacattgag acgctccaaa ttgaacaacc gaagctctcc acaattcaaa 360
tg 362

<210> 7690
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7690

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agctntataa ctngngtcan agctaccagg aatgagtata ctcccatcaa taaactcaaa 60
tgtgttctta gcacctaagg cgcgtctcat aaaacgagcc catgcatggt aattagagcc 120
atttagcaca ggagtgactg ttacagacga aggtccatct cctacatgaa cataatacgg 180
gctggaagga tcttgcatg gatctgcaag accacctcca tgattgttgc cggaaccacc 240
tggacgagcc atcagagtta cgcagatatg gagctagacg ctctgtgata ccatgttaat 300
aaatgaatat aaaagcaagg aaggagacaa tatggagaaa tgcattgaca ctcaattcat 360
ggaattacat caggctgatg cttgttattt atatga 396
```

<210> 7691
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7691

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agcttaacta taaagtttaa cctcacatta atgcatcata taacactttc tcacaccata 60
ggaagggact aaaaattgaa aaatgattaa aatcaattnt agtgctagca aaactaacia 120
atgacttatt tttccattg aaccttcttc atgggatctc caatcacaaa ggtaagggtt 180
acaatcattt gcttggtttt aagtggccta agtctcattc ctctcgatgt ttcaaaaaaa 240
gaatttcttc actagggggtt tcagtcagag gatcggtga attcattatt gatttcacat 300
aaataaaata cttccatatt ttaagtaatt gctttaccaa aatatctctt cattttttga 360
caatcgcaac gtacatatag aatatgcact ttcctatnaa ggaacacatt tgctaagaaa 420
ttttttacat aatcaatctc at 442
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<210> 7692
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 7692

agcttcctcg gggccatttc ctgtgaaggc aaactattgg aaagttagtt ntaccaagaa 60
atgctactct taaaacacaa atggcataca acctccttta ataaacacaa acatcaatgt 120
aaatttagaa taaactcatg cacatactcc cttacgaacg ttcacttgca caagatattc 180
tcctaactaa gaaaaatgca cccacgcaca atcaaggcac cttcgtcacc tagattattt 240
atatgtactt ccgaggtgta ttttgtacct acatcacaat gactttcctt gcttaaatta 300
cacacacgca tactc 315

<210> 7693

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7693

agcttagata tatgtaatga ttaaattatg ataattttg ataaataaaa tgaatggttt 60
taatgttaat ataataattt atttttagata aaataaatta ttatattaac atgagaaaac 120
ataaataaaa ttaaagaaaa aaataaaaaa aatagcaact aaaaaaggga aaaaatcacg 180
tgtgggttaa atttaacaaa aaaacattat gatgggtttgt atttcttaat ttaatgaatt 240
attttggatc gatttangtt catattactc atatcgatga acactctaca taaaaattca 300
attcatataa ttaaaacttg aaaaataaaa atcatataat tatagtatga tgagagacca 360
aaaatataat taatcaaaaa taaatataaa gggattacc aatcactctc atgataattc 420
ttaatata 428

<210> 7694

<211> 469

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7694

agctttatgt cataaataac aaaataaaaa ctttatagtc ctactagaga ttgaccctag 60
aagagaatcg acactgcact aaactaccat tatccaggcc attggcagca aggacagaag 120
gaccaagctg aaccaaattc aacagtgaga tgccatcataa ttataatgaa acacatatga 180

caaagtttaa aataaattca attaaacaca ttttgagttt ataggaaatt tagtgcattgt 240
 ttgtgggtag tttctgttca gttcgaacat gatgatgggt ggagacttgc aagctntatt 300
 tgggtgagtg ttttagttgc ctgatcatga tggacttcta tggttntgta actagtggta 360
 cgtgatcatt tgtaaatatt ttacgcttaa gtaagatata agtaaaaatta cacttgatg 420
 tgggtcaatt agtaaaaata tgcttttttag cgtatgtgag tgcatacata 469

<210> 7695
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 7695

agctttatta tgccctctcc cctcggcagg gatttcttct tcggcgaagg cgagatagtt 60
 gttggcagtg atattattga ccagccctcc gaaaccttct accgagatgt cttgggccac 120
 atgggcctcg ttcataactt ttactagcag agcccgatga ggctcggagc tcatgagtaa 180
 ctccaacagc gagaccctgg ccggagtttt gttgagctgt tcgataacct tgaattcgct 240
 ctgctgaatt atacggagga actcactggc ttccctctagc gacacctcct ttttaccatc 300
 ctttttctcc ggaagacctt tcgccggaat atctttatcc gaagcgtggg gtgcttcacc 360
 atcttggtcc tccaccactt ttcccttccc cttgatgttc gcggggttga ctgggt 415

<210> 7696
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7696

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 tttctttgat agcccccttg agcctatntt cccctttctt tgttntgaag ctcagtacaa 120
 gccttaagtg aaaaaccatg atatcacctt acccttaagg aattttggaa ttgttttggg 180
 aataagctgg gaataagtgt ggggggggtat gtttcattga aagatatgat ttttggccat 240
 gcttaatgtt ttattttggc catgcttgat gtatatatat attgccttgg tcttttttta 300
 atcttcaatt tcgtactgtt caataaaaaa atacataaaa aatgaaaaat aaatgaataa 360
 ttaaaaaaaa aatttagttc ctgcaaattc tgcaatttcg tacttttttc aaaaataang 420

aagaagaaga agaagacgaa gaagaagaag aaaagaagtg aagttgaata aa

472

<210> 7697

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7697

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tcaaggatag gcttacgata tatgttcata atggtggcct tttcacattc ctttagagat 120

tccagaacaa aatcttctag aatgtcttca aattccttcg ctgttaaggc aacaaatctt 180

acatcctcaa ctangtttgt tntatgtttt ttagcagata aagcctccac agaaactatg 240

atgacttggt ctatntttga agcttacttc ctttccaagg tctgatcaag tttttccttc 300

ttccttgatt tagccaaggg attcttatta gcctttccca aggcaacaac ttccttttta 360

ctt 363

<210> 7698

<211> 228

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7698

agctnttcgt cttacagaca gcataanaaga tagtttatac gcataaccac tcgggtattt 60

ccgcccgtca gcgtgactca aatgtgagta tgacagatct tgtgatcgcg gaagatgacg 120

taaatctccg cgtgtcaacg ggcttgtctg ccgcgattga cgaacggcgc agaacacgac 180

attagtctct gcgtgctatc aggcttttcg tcttacagac agcaaaaa 228

<210> 7699

<211> 344

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7699

agcttcattt ctcatattgg aactgctgac acttatccaa catgaagata atgacgagaa 60

[illegible]

agcttagatg	tatgacataa	ctggatgttg	ctgagttatt	gtgagtcaga	ctgagaccag	60
attacctgtt	gggtttcgat	gctccattnt	aaagaacgaa	caacacacgg	ttgttgcggtg	120
tatgtggcgt	ttttagggga	acaaatatte	ttctactaat	ccttcagtga	gggaagcaac	180
tagcatttgg	ctatatagct	cataacaaga	taacatgaaa	gaaaaagcaa	tacatttggg	240
tagccttcac	atgccttaatt	aataataata	cccaatctat	acttatatac	ataatata	298

3280

gctctaatagc acataataat atgan

505

<210> 7702

<211> 278

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7702

agctntatgt tcaattgccc caatgacatc tattcttcac atggaanaag gccaaagaggc 60

ggacatgact ttacagacgat ggggcagaac attgacattg ttgcatacg ctgcacatat 120

atggcattta cttacatggg tgcagcaatc gctttccata acgagccaag aataacctgc 180

tctaaggatc ttctggcca tagcatgccc attggcatgt gtgccaaatg aacccccgtg 240

gacttactca atcatgtagg tcggctctat ggcattcta 278

<210> 7703

<211> 361

<212> DNA

<213> Glycine max

<400> 7703

agcttcgttc tcagatccct cttgttggac tatgtcaat ttagacagcc ctcttaggtt 60

tagacttact taaactaagc ttcatcctta gatccctctt gttggacaac tgctgtgctt 120

agcacactga tcaatttggc tctgtccagg gtcacatcaa atgtgtggga ggtgggaatg 180

aggttagaaa aggaaagaat gctccatgtc tgagctagag tagtcatgtt cttcctcaaa 240

atcttcaaag gcttcccatt agcattaage ccgaatcccc tccttgggat acaaagctta 300

gcagccaact cctgaggatc gggcctcacg agtgcaaatc tggaatatgt acacaagtgc 360

t 361

<210> 7704

<211> 389

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7704

agctntacat tactcctcat gcttctcacc atgtctaata aggttcgatt tcttcattct 60

accacacccat tctgatccgg agaaccaggc atagtgtatt gggcaacaat cccatgttct 120
tgaagaaatt tgcgaaatga acctggtgct tgtccatcct ctgtgtatct accatagtat 180
tccccacctc tatctgatct cagcatctta atttgttttc cacattgttt ctcaacttca 240
gccttaaaaaa ctttaaaggc atctaaagct tcattcttag aatgaagtaa gtagagatac 300
atatatcgtg aataatcatt tataaagctt atgaagtatt tctgactatt tgcgtccatg 360
tctagacaac atatgtctgt atgtatgat 389

<210> 7705
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7705

agcttatata tctcacactt acaccatgga tgaatgtaac aaactaatat accaaatatt 60
tcattattac taacccaaat ctaaaggggt gtcgtgagtn tctttaaaac aaaacattca 120
aagaaatcgt tgaacgtcat ttctcgaaac caccaactcc ttaatatata ataattattaa 180
catataccat tagccattat tttttaatgt caaagaaant tttcgtataa atatgccttg 240
atgtgtcaat tacttggaag aagaaaagat ctgcataaaa ggaattactt tctgcaattc 300
aaaaagcttg cagtaactta ttgaatccaa tcataatatg cttcctatat atcaccatat 360
canactttta aaaaacagtt cataacatgc ttttttaa at ttggaaacta ttcttttatc 420
atgacacatc cttgacat 438

<210> 7706
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7706

agcttcatag tattcctctt caaaccatgg agtatacttt ggagaggggtg gtggaaaggg 60
agaacgagca accctctttc ctctatagct aggcaagcct cctttgggtg tctccttcac 120
tttctctttc tttgccttgg tcttgggtgc agaggatcatg tgccttattg acttcatgtg 180
tttgatcctt tgttcaccta ttaatggagg ttgaggatga aaggtagaaa tgattanggc 240

tttgaggggg tgaagaatga gaaaaaagga tgtgtacaat tgttgagggt tcgtaaaagg 300
 gtttaggaatg tgacaaatga ggtttatggt tagtgaaaaa ggggtatttaa aacagaccaa 360
 gttgtttttt tgttctgcc aatgtgttta gcttgggtaa ttgattatga aatgtcataa 420
 tctgttacga atataccca 439

<210> 7707
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7707

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 aggagtagaa gagaaactta accaaacgta aaagtggaaa ttaaaatgca cagcggaaag 120
 taaaagagta gggaagaagg agacaaacac acaagagttt ttaaattggt tcaacaacaa 180
 cccgtgccta catccaatcc ccaagecgacc tacggtcctt gagatttctt tcaaccttgt 240
 aaaaatcctt ttacaagcaa agatccacaa gggatgtacc ctcccttggt ctctttgaac 300
 ctagtggatc taccctccac tagaactgat ccacaagaga tgtaccctct cttgtttctca 360
 gtcaaacca agtagatgta ccctctactt gtaccacana ggatgtatcc tccaatgtgt 420
 taagacaaag atctcatgca gtcaaacctt tgatactttg tgaat 465

<210> 7708
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7708

agcttagaaa tatgttttaa atccaagccc ataagtaaaa tcaaatcaaa tctagattag 60
 atgagataag ataagatcta gacgaaataa tatctagatg agatcaaata taaagtgtgt 120
 ctagagaaga taagatctaa ttctgtagaa taaattagtc tgccttcttc aagtccaagc 180
 ccaattatgg attcaagccc aagcccaatt ctagattcaa gcccaatgct tcattaattg 240
 ctgaaattat attaaaaaca tcaaattagc tgaatgggcc taaataataa aactgccgca 300
 taaatgtgac aattaagact aatcaatatt taaaatgggt caaaaagggt taagacatat 360

gagaanataa tggcacatca caacgtcggg ccaaactgaa actgggaata aaatcactta 420
tagtggataa aaactcaca 439

<210> 7709
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7709

agctntgccg atttagtggt cgtcggcgaa actgtcaaag tgggtttgag aagaggcatt 60
attgattgtc tcactttgac aagtaaaaag cctgnngcaa atggagagaa tgagaaggag 120
gaaggaaccc atgttctggc tgccattcct acatggccaa atttcccacc tgcttaacaa 180
tgtcattact caccgatat cagctctcct cgttaccac cacccaatcg tccacaaagg 240
ccatcaataa atcagccaca aagcctgcct tccgcacaac caattccaaa caccaccttt 300
agcaciaaac anaacaccaa ccaaggaagg aattttgcag cananaagct tgtagaattc 360
acccaattc cagtgccta tgctaacttg ctcccatatc tactcgataa ttcaat 416

<210> 7710
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7710

gcttgcattg ttgctaagat gcattntgaa gaatcatacc aagaaaagta ttacaattta 60
taatctgagg cttgcacatc atgtcatggt gacatgagaa gcatatataa ttgaacaaga 120
aggaacataa attgtgttta ttttattgaa tacataccaa gaataccagt ataatatgaa 180
agcggaacat cgggtgtgctc aatgttgaaa agtatttgag ttggggacac caagctgaat 240
tcttcccatt ntgtagatcc ccacactaaa gcacctttct tgaatctggg tgccagattt 300
aggactatta cactccatac cctgtaatgg ctgatgtaca caacggtaga gttagaccag 360
ccaaatttat gatccaaga gtatntcaaa c 391

<210> 7711
<211> 415
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7711

agctagagta tcattccaaa tgtatggctt caattacctg cttaaaggcaa caggcacaat 60
tccagctcta tattcagcaa tttgcaagaa ggcaggttca gccatatcaa agtgttgag 120
aggaggggtg caccaacccc cattgttggtt aggcaaagaa cggtttgggg ggcagaagtt 180
agtggcagtt acagtaatgg agccagggtt gcaccatctt gggtcacat cacaatctcat 240
ttcatagcaa gatccacagc ttaagccatt gttgaacaaa gcagtgccta tagccacagt 300
gtcagttcca tagccctggc tatacaaatt tccataccca catgctccac ctgcatgtat 360
anaatacana gcataaacat acaactcatc acttaacttt cataaacaca ctcta 415

<210> 7712

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7712

agcttatacct tatggcttgc ctccggactt cactccctgt gccactctgg aagatttaag 60
ccaagcccct actttcgagg ggcaactccc cccttatgac gactatcccg ggcaagacga 120
tgaggaagga gatacccatc ttggccgctt gctccacctc aaagatccgt ccccatga 180
actaccccaa ccgaacatag tccggcatat cccggcctca cctcaccgg taaaagaatt 240
tgttcccttc gcggaagata agggaaagat tgaggcgctc gaagagaggt taagagcagt 300
cgagggcctt ggcaattacc cattctcgga cttagcagat ntatgtctcg tgccaatat 360
cgt 363

<210> 7713

<211> 265

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7713

agcttgagct cactgttctt gccccacaaa gttcatgan aattgttacg gccatgctct 60
tccttgcgag ccctcttggt ctcttgttcc aaagccttgg tggttaactat atttatacct 120

cttagttngg cattctcctt tcggatctta aaagctgctg atttgaacct ttctttgact 180
 atttgggctt gctcgagttc tgccctaagg gcttgcacct cttcgtattt cttcgggtgcc 240
 tcaacttcct cccttatagt ggttc 265

<210> 7714
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7714

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 gatgtactcc cgagacatat gataaangat gtatatagtg ataagaataa ggccttttaa 120
 atttaatttt gagaattaat tttgctgccg catattttat tcaatagttt cggttatcac 180
 aagtactcag acacttgttt aaaacatctg caagaacctt taaattaaca caggagcctc 240
 gtatgcaaaa tgcttttgaa tgggaaatat atgttaagat ttacagagtt gttgtattta 300
 taaagtgact catgaatata taagtctttt taacttttct at 342

<210> 7715
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7715

acacgttaac tcgcttntga tctctatgaa tctgctgcaa atcaactatc aagacgtcaa 60
 cgattgcgcg agttgcttaa acaatcccaa tcagctcctc ttaccgagga agaacagata 120
 ataactattt atactggaac gaatggttat cttgattcat tataaatggg acacgtaagg 180
 aaatttcttg ttgagttacg tgcttactta aacacgaata aacctcaatt caaagaaatc 240
 atatcttcta ccaagacatt cactggggaa gcagaagtcc ttttgaagga agctattcaa 300
 gaacagatgg aactcttttt actacaggaa caggtagaag aaaattgatt aatcgtttaa 360
 taactctata atgtcacttt caaattctta tacattagat cttttaatat ctctttattt 420
 c 421

<210> 7716
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 7716

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agcttggagt agaaagagga aacaaacatg gaaccttggt gcagaatgat caagtcatgc 60
ttaagttgaa aaattaaagg accatttcgt tgctcgaaac attcttgaag atcattccag 120
attgctttat cagaagaaca atgtaacact actaaaataa gtagtttcaa tgactgaagt 180
taactacatt cctttcaaac ccgttggtat tttttaaccg gcggtatttt ggtaataaaa 240
agaaatagtt caaagacgat gaatgataaa cccgttggtt ttttttaacg ggtggcattt 300
tggtgaataa aagacacata tcaaagaccg tgattttcta aaccctctct tgaatgacgc 360
gagtccttat ttttattgtg actactcaac tcgtgtcata agtagccttc gcgtggactt 420
cctcac 426
```

<210> 7717
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 7717

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tgagattatt acatattttg aggtaatcat gttaagaata gtcataagag tctatatatt 120
acttattggt gctaggtaac tgactctatt gttggatcaa gtatcctcag aataattaag 180
acaggggggt gaattaattg ttcttaaacc tttactaatt aaaaattact cttctaaagc 240
ttttactaaa ttgttaagag aatgacgagt agaagataaa cttaatagaa aataaaagct 300
caaattaaat gcacagcgga cagaaaagag tatggaagaa tgagacacac aagagttttt 360
atactgggtc ggcaacaacc cgt 383
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<210> 7718
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 7718

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agcttcctct tattagtgca cagctccttc aagaatttgg catattttgg aattttcttt 60
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attgcatcca gcagaggtat gtttacctct acttttctga atgtctccaa gatctctttc 120
tctgcctctt ccattttttt gttggaaact gctcttggag ggaatggaag aggagggatg 180
tgctgcttct gcaaattacc agtgggaagat tcacctgcac agaaattgtt aggtaaatct 240
ttgtcatcac ctttttctgg agtagagtga agtttggcag attcatttgt agatgaggaa 300
gggtctatgg gttgaggtcc ttgacactgc tttcccgacc tcaatgaaat ggcactgac 359

<210> 7719
<211> 392
<212> DNA
<213> Glycine max

<400> 7719

agcttattta ggcaatatag acctcagcct tagacacaaa tgacacagtg ctcctaacaa 60
caccacacta ttggacacct gtactactga catattccct caacagaaat tgtaattcca 120
ttctaacaga atacacgatc tcattcattac aaaggattct gatcctaaca acctaatgga 180
catagtcctc ccacccttga ggcttccttc ccataccctt gggcctgtgg tcataatcat 240
tatgggtgcaa attggtatca tatcccaaaa ccagcacaca catggatttt taagattaca 300
aactaaaact tcatttaggc atttcaccaa acacataact tacaacccat tttgcaaaaa 360
aaaaaaaaa gagggagaga gagtataaaa cg 392

<210> 7720
<211> 410
<212> DNA
<213> Glycine max

<400> 7720

tgcagctttg agcaattcaa atggtcataa cttttttcgg aggtccgatt caggcgcata 60
atatataaag acgctcgaaa tttcacaacg gaagctctcg agaaattcaa atggacataa 120
cttttaactc ggatgtccga tttatgcgca tcacatatag agacgctcga aattgaacaa 180
tagaagctct cgagaaattc aaatgggtcat aacgtttaac tcggaggtcc gattcaggcg 240
cataatatat cgagacgctc gaaattgaac aaaggaagct ctcgagaaat tcagatggtc 300
ataacattta actcggatgt ccaatttagg cgcataatat atcgagacgc ttgaaattga 360
acaacggaag ctctcgagaa attcaaattg acataacttt taactcggat 410

<210> 7721
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7721

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 tttcacacaa gaaccaagag aggcaactctt ttaactgtgt ataatatgaa atttcatcaa 120
 aactgccaac aaagtgttta aggagtctat ttataactcc tactaataac cttgtagaa 180
 gcaaagcttc caagcttatt ttgatgatgc caaagactca agtcaagaat caagattcaa 240
 gaatcaaaga gtaattcaat caagaatcaa gattcaagtg aagattcaag aagaagactc 300
 aagatatgca agaacttcaa gaaaagcatc aagataagta taaaaagatc ttttcaaaga 360
 aaagaggata acacaatttg tccaaagaat tttcanagaa aaacctttac cagagtttta 420
 ctctctggta tcgata 436

<210> 7722
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 7722

agcttctacc tacatagcat atgttcacca cacattaact cgcatttctt tctcggtttc 60
 tgatgcaaaa tacattatat gctgtatgtg atcggtcca tgccagtgat ccacgtttac 120
 aatgacgatc aaatttgaaa caacggatct cattttcact tcgcacattc tttttttacg 180
 ataaaaatgg tgcttattca ataattacta catcacacat tcattcggtta ggattggatc 240
 gatgctacgg aaatcgaatc tgaaaagacg aataacaagc gcagaaagtt gcagaagcat 300
 tgcaaaacgt ttatgatcca gtttgtgatt aagttagggt tggaattgtg ggaaaaaaga 360
 ggtggagatg gagaagaagg gaaaacgtac cacggttgat g 401

<210> 7723
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 7723

agctttgtac tactccaacc aaccttggtg cgttcctccc ctaactaatt acctctcttc 60
tcttcttatt tgcactcaat cactcatata tatgcctgtg ctgtcattcc ttgtttgcaa 120
tgctctaata tatgctctaa atcatcactt gtgtcatgta atctacacta ctactatgc 180
tattaagata tcaccttcta ctcttgatat atctcgtata gttgtattcc ttgtcttatt 240
ctactaataa aagatagaca gcgtgcaaga acacatatgg gtttatattt cttgggttagt 300
tagctatact tgaatttttg aaacggaacc ttaacatgcc atc 343

<210> 7724

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7724

agcttagcca caggtccttt gtgctaagga ttcaagggtg gagaggaana agagagtgaa 60
atgagagtgt ctaattatgt gggtcagttt gggttaattt aagtatatga ctcttcctct 120
tctttatatg cacatcccat cacttcctat attcaactac tttgttctca tcaactcaaga 180
cccacttatc tcaacctaaa tactctaaaa cttactattc acaccaata caatattttc 240
gcatatgtaa acataaacat acatattagc atcacacacc atcatctcat aataattagt 300
taattataaa cacttatact aaatataatt cctcaatg 338

<210> 7725

<211> 180

<212> DNA

<213> Glycine max

<400> 7725

ttctcgataa gaccgattgt ttactacaa gaacctagag aggcactctc ttaactgtgt 60
ataatatgaa atttcatcca aactgtcaac taagtgttta aggagtgtat ttataacttc 120
tactaataac cccttgtaga agctaagctt ccaatcttaa tttgatgatg ccaaagactc 180

<210> 7726

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 7726

agctataaac ttcacagatg agaggagaag caaaatattt ataggaaatg gtgaggggtc 60
tacacacaag agtaaaagaa agggagagct ttatgcacaa aatcagagtg aatagaaatg 120
gcttaagtgt ttatcctttc acggttttta gtcaatatga tcggagccaa aaatccctcc 180
ttgtgccttt gaattttcag ctatatatga ctctccacca acaaggatg agagtntat 240
tttcttttcc tttatgatgt atatataaga gccttgaaat tgggttcagaa agagggtgat 300
tcanattggt taaagaaatc aagttaacta aaatctggaa gttaatgact taattacgat 360
gtcaatcaca tacatgtgag aactaattat tcattat 397

<210> 7727
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7727

tattttcttg agataatact taaaataata ttttttttaa naaataactaa cttctaaatt 60
ttgtatttat tctcttnta tccttacaca tttatntaaa tttcttnta atcttttcta 120
tttttttatt atatatgata ttgatataat atatacataa tttatgtggt tttattctta 180
ttttatatac tttataaata aaaagctaca agtgcttaan attgatttaa aactaatatt 240
ataaatatta caaaatatat ttttatcaca aaaatcaaataaaaat tttgt ataaaagcat 300
tacataaata tatcccat tgnattata t 331

<210> 7728
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7728

agcttagatt gaatccaaag ctagattgat aaggcaaaag gacactcaaa gaagatgctg 60
agagtagtgt tttaaaaccc aaaccgaacc gataggtcag attggtccaa gataaagcct 120
ttcgattgta gcttatcacc agaaagaatt ttccagtaat aatttctaga gaagaaaaga 180

aggagaaggt ggaatggctt ggttccaatt cttcatccca aggaacctta tcatcacaag 240
gataataggt atgacttaat tccgaatctc caaaaacata tcaggaaacc aagcttcaag 300
agatgctgga agagactaag aatttcctga gataaaatct tctaccttag cttccaacaa 360
gctacgtaat tgatatggaa tattacaaag attcacaaca naatcactat tagaaaataa 420
tggtttaaca tc 432

<210> 7729
<211> 538
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7729

cgccgtggat tgacgcccat tganacgcgc gatcctgaga gttcgattgc ctgtccgcac 60
gctgggagct ctaaacacc tgcagcatgc attctattgg tggagagaac aattatatta 120
tacttatata attctgagaa atacttaaat atattttatt aaaaatactc acttctaaat 180
cttgcattcta ttctctccgt atccctaacg catttattta aattttggtt gttagtctct 240
ttctattttt ttatcatgat atgatatctg atataaatag tataactcaa gtttgatggg 300
ggcgtccatc tctttatatt taatcatact tatattanaa tgaaaaatgc ctacagacgt 360
gcttatanat atgattctaa caacttacta ttattaaata ttacacaaat ttatgtttat 420
cacaacatc aaatataatt ttgggtaaaa gcctgacata aatatatcca ttatgtatta 480
ttattttgga attttcaact tcagaattaa ggaaagctcc ttttaacgta tgtaactn 538

<210> 7730
<211> 521
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7730

ggagtgcgtt gagaccgata gagagacgng annttttggga gatgatgtcc ntctgagcna 60
cctntaaatn nacagcggct gcaagcccat tctagatcct ggagtggaca cgttcttttt 120
gacagacctt cttgagcaga cctcttaaac gaagcgtaat ccctagagcc ctcttggttg 180
acaactgctc gtgcctaacc tatgagaaca atgggtctgt tcaaagtcac atacaatggg 240

gtggaggcgg tcctcacgct agagaacgat agagtgcctc ctgttttgag ttaagtactc 300
 acgatcttcc tcgacatcct tgaaggggcaa ccttttcttt aaaccggat cccactctg 360
 ggatccgcaa gctaagtact atctccagat gattcggcct ctccaaagta aatctggtgt 420
 atatcacgat atatccact ctgcgcgatc cagaggtatt taaaaggggt gcaaaatact 480
 catgaacttc tttaaagacc ttcccacccc tgtctagggc c 521

<210> 7731
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 7731

taccttgctc tgcgggctct cgaatactat tattgggttc aacatctcac cattattatg 60
 tgttgatgtt accatattgc caaacaactg gaatagttca atctcgctgc actttctctt 120
 atctgtgata gagaaatgga tattgtagaa tcttaaccgg cagcaccttg gactgtggac 180
 gttcaactga aaaagataga tctgtaatca aacaagaacc ctacttttcc tgctcacttg 240
 acccattttg tattcaaaaa gttgaatata gtttcaatta cttctgatcc cgaggcaaga 300
 gata 304

<210> 7732
 <211> 519
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7732

cgcgatgctt gaaanccnat tcgnacacgn ngatncttta gagtcgatct ccatgccagc 60
 anccnatnn ntgnatgga atanctacac cttactttct atcctataag attgacgtat 120
 gttattttta cttcaagatg gaatctgagc ttaccatgga ttagatagtg agacatcttc 180
 tactgtccaa agatctacct ggccctacag ctgtccctat gcagtgtaat aaaaaagtct 240
 ctacagctcc atgcacctaa aggccataac tatgtcgtaa agggagcgtt acgaacccat 300
 ctcgactata aatatgggcc acagttcaca acactctcta cctcatgtac taattctgtg 360
 atcgagcctt ggcccaccca cttcaaatga aataatatgt ttactgatgt gtactcaacc 420
 catatccttg tatgagctac ttatttatat cgacatgatt cctcactgcc agtaaaagag 480

gggatctgac caattttgac gacattgact ccggacacg

519

<210> 7733
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7733

atctctgagt cacctgcggc atgcaagctt gtgattcctc aatacatcct tattaattgt 60
ttaattctta cttcttaaata gtacgttata tacttggtat aggaacctta taattctaag 120
tatatattag tgtagtatgg tgttctgcct taattgcata ngtagtatgg ttggttgatga 180
tttcttggtc ttagtgatgc taatactcta tagttggatg actcatatca agttatatat 240
cataaggaat actcttttga tcgtaccttc taattctagt gcaacctatn tttttttgtg 300
tngcgtgctt aagtcaaata aattgagttc acttgaaagc ctaagtataa ttattctatn 360
gtatagacta catcaaacia tnggatactg atgttttata caatcagtga ttgtatgtct 420
catatagtga cattggggcat 440

<210> 7734
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7734

acattcaata attactggta atctattacc atatatgtgt aatcgattac acagtgcana 60
ttttgaattc aaattntaat agctattgta aatcattttt ggccattggt aatcgattac 120
atcctctggt aatcgattac cagagagtaa atctcttgaa aaagactttt taacttaaat 180
ttcttgacca aaccttttgc tacttcagtt aggaattccc ttcttatnta atataccctt 240
cctaagaatc tagagactgt cttgatcatn ncatctgaat atncttaatt tctttggctt 300
gaataaagct ttgagaacat atgatccttt ggcatatcaa aacattcagc ttgattccgt 360
gctacaatct ccc 373

<210> 7735
<211> 338

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7735

agctntggag tttccaagtg ccaattcgtc ttcttctttt gtccagtctt cttctggctt 60
caattcatta gagggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120
gacagctttc caggttctgc tatccagtga tttgaggaag gccaccatcc ttgctttcca 180
gtattcatag ttggttccat ccagaattgg tgggtctgtc acttgtcctc cttcttttct 240
catgttcacg agaaattatc tccctagatc tcaactcagt atttcgagtg cctgctctga 300
taccaattga aattctgata ctggggacag atgtcgtg 338

<210> 7736
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7736

atctctgagt cacctgcggc atgcaagctn ttcgattcat tctatgtacc cgtagtggtc 60
cacattgtgt ttcgtgcatn tttattctcg ttntgtttac tttttatacc ccctgttgac 120
gtgcttaagc cattttactt aagtcgtttc tcgctcaact taaaagtaaa ataaatttcc 180
accgaacgtt tgaattgtat tatccattaa cttcgggtaa aataaattcc gaccgttcgg 240
tcatgtngta accacgttgg anatcanaaa gaggtaaaaa ataataaat aatcaaaaag 300
acatctttta gtaaaataaa gcggaaaatc aatcggacgt tntctctttg ggagttctca 360
ttcttaatcg aattggataa taactaaagt gaaactaagg ctataatcaa ctgcctagt 420
caagctcgtc cacaaaa 437

<210> 7737
<211> 252
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7737

gttagctntg ttcgtcaatg cttngacctt ccaccacat ctgcatagaa ttagattatt 60

attattatat tntaattnta agccttgtat ttggctatgt tttatgacat ttgaatactt 120
 agtattttctt ttcataattta cttagtatga ctgaacatga tgattatatt tactttgcttt 180
 tggttgggta tggttatgtg tgttaaactt tattatTTTT atgatata tgtctagtga 240
 tatgtactta ca 252

<210> 7738
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7738

tgcacgcatg caagctatat accctagcaa ctcanaatct aggtatccat aaccctcaa 60
 tttaatggat tttcaagggt tgagaagtga aaatgagaat ggggttaaatt tggagcaaac 120
 tctcacctca cacaagtcta taacatcaat ctacacttgc tcaaactgggt tttacgccta 180
 atattctgtc gaatcaaaat ttgactcctc aacacccaat tntaccctag aaatggctca 240
 tgcctctact ttggtcatta gctttctctc ttgacagncc aactntctca taagtataaa 300
 tgacatttca nactaggaat aactcccttt aacctccaaa taccactaaa ttcagatttg 360
 gccttcaact ctcaaagctt cactcttttt cactcaaaca ccatattcta ctttctaacc 420
 ctaggtaacc ctaccct 437

<210> 7739
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7739

agcttggtcg cacatcggtc gcgtgtatga tatccattcc acaagggttg aagtagagga 60
 gaccttcaat cctataacgc aatgtggcga acaaaagtgg gcagttaact tgaatgggtca 120
 tcattgtcaa tgcggaaggt attttgcgct tcactatcca tgttcacaca ttattgcaac 180
 ttgtgggttac gtgaacatta actactacca atatatagat gttgttacac aaatgagcac 240
 atcttataag cttactctgc acaatgggtga ccacttggga atgaagcggc tattnctnct 300
 tctgatgacg catgaacact tatccctgac ccaactacaa ttcatgc 347

<210> 7740
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7740

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agcttcaaga atgtgaagta gctgctggac ggccataact aagaccataa catcacttga 60
ataaaagaag ccaagtctat tgtagtcttc tgatttctgt gtattgtaat caagtgatgt 120
tatactagta agtctttctc agggttggct caatcgacac aatccaaact aacaatgtat 180
ttacttcgag tctgattaga tctagagaat cttatngtat ctacttggaa aagtaaaata 240
ttcaattttc ctaaaatcag tcgcttgcaa aagccacaaa gaagagacgc ganaaagtgt 300
ttgttcaaca atcatatcaa ttgataaatc cgggggtgatt ggttaaata acttgccata 360
tcaattc 367
```

<210> 7741
 <211> 575
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7741

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tttactttgt cgagactcta atttacttta attcatnttt ntgaannnaa nnnnagccta 60
tgancctgaa ccttgaccgg atcttaagcg actgagctgc aacttctatc tattagaatt 120
atgaagtttc taatgctgaa atcatgggat taagaaggcc atgaccaatc cctattctat 180
tatttaacaa aaattcctaa tgaaggtgag ccctttgagg gtgcattgat tgatgattgg 240
aaattctata tttctgtgcc tgatgcccg cggttggttt gaccacccaa atggatacga 300
ccggaacgct tcttgccgga cattgagctt tgaaaccgca tctccatac cttattgtcc 360
gcatttactc ccttaaactt caaaccttgc ttangtttct gaagaatatc tcatagacga 420
gtgggcctta cataaagagt tacataatgt tggacacaca ctgctagata tcgcttgctt 480
aaacactgcc acgaatgccc catggctata ccttatcatg ttcccttttc cttaacactt 540
tacaacgctc ttattatgca cctatgtcaa tcaan 575
```

<210> 7742

<211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7742

```
attntacccc actataacct ataaaagagt atgatatggt tttccattaa attattgtgg 60
tcgataactca accccaaatg atctcattcc aatcagattt ntactttgct accaataaga 120
attgctgaac ccatttgatt taggggtgtaa tttttctgat actaggatgc ataaaattgc 180
gtcccataat tagtancact ttctcttatg atttgtatat gaacatattc tntcttttaa 240
ttccttacac taggcacagt agtaacattt gtctttatta tttaagaaat taaacgagta 300
caccataaat ttattatfff gcaattcttg gacgactata acaacgcgta cattatcatg 360
gtaactaaga aatattgngt cgataatcac aaatgaatca ctaacaaaca cactatgact 420
ggcctctcac cgaaan 436
```

<210> 7743
 <211> 280
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7743

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agccttcaat tttgaatatt tagaggtacg ggtgcgttta tattgatctc ctacaaagct 60
ttctgatgtt cctttgctta aacttatatt gcatgttatt tctttcgcag agaaggctga 120
acaacacact aaagctttga tttttatctc aacaaaacga cgatttttat caccgtaggt 180
gcatagaccc ataaacggaa cccgtcttct gctaaagatg cgattttaac atcacatgtc 240
ttcatttgtc cacctgtctt ctgcatttnt tcttttcgtt 280
```

<210> 7744
 <211> 523
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7744

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tcccacccac tccatttnat tgtataaaca tattingnaac nnnnnnnnan cacgatatga 60
acttgancnc gttaccaann nacgcagcag caacngcanc cnnaaaaaag agcgcggtat 120
```


taggtgaaaa aaacacctcg ataaacttca tccttctttc caaaaccatt aggcaccgag 180
atngaagctc aagcgagatt cctgattcct taattttccag ctagaaagaa attaaaaaga 240
aaccctgat tattaaatat agactagatc gctcaccgaa gaganatacc aaacaacctt 300
gaaggaacta cgaacctctt tcagggatga ctatcctata acttatgatg caacatcggg 360
tgtcaaatca gctagttatt ttcttctcca ctgactaatt accaacattc caaaaaacta 420
actaactcta atctaataaa ctgactgatt gttataagtt aataatggta ttaataaaac 480
tgaccgacac taatatacaa agtagaatcc aataacccat tcg 523

<210> 7745
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7745

gaagaagaag aagttcanag agattcaagg cttgtaaagg attgtattgg attgttagaa 60
agattgatta aaaatgcaaa acaaagcctt gcttttatag actcttcatg tctgggtcaag 120
agaaccattt agaagagtta tgacttttag aaaaacttat aaccaatttg aaaaagtcaa 180
aaaccatttg aagagttaca tctttttgat tattcagaaa caatcattgg taatcgatta 240
ccaaatcagt gtaatcgatt acacaaagct tttaagtga atgatgtgac tcttcacatt 300
tgaatttgaa tttcaacggt caaaggcact ggtaatcgat taccaaaaca tggtaatcga 360
ttacagcttt ttgaaatcaa ttggaacggt gtaaattcat ttgaaaattt tttcanatcc 420
atcttactac tgggtaatcg atacaataat c 451

<210> 7746
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7746

atctctaagc acctgcggct gcagctttta tccaaacact ctcttggtgg tgaagtttct 60
ccttccatgg cttattccct agtggatggc gcctcctctt acctcttctc ctttatcttt 120
cgctacatct ccatggtgga aaatcaccat cgaaggacct cattgaagct caaagatcca 180

acctccatag aagcttctca agcaagcttc catcactttt ctttactcta accatgatga 240
tgaatgatgt aatacanata tcatatgttt tagaagacac aacacangat aacaaccaat 300
acanattcca cttaagggga gtaggcatgt aaaagtctaa aaatcttcaa aacttcttta 360
acatttgcct tgagaggtn gttaccatat tgetgatctc attgtactcc ccctatctct 420
aacaatctcc cttttttttg gcttcatgat gccaaactta aatatgacat tga 473

<210> 7747
<211> 261
<212> DNA
<213> Glycine max

<400> 7747

atacttagac tatectaaaa aatgatagct ctttcaattg gaaacccaag attgctaacc 60
agacctttta gtcagatccc atcctttatt gcttctatta gagcatgcac tctacctttg 120
tagtggataa aaccacaatg ggctaaagag tttccttcca actatcaaga gagttgccaa 180
tcatgaatgc gtaccttgtc atagttctcc ttgcatccaa atctacagca tagtcaaaat 240
ctaaataacc aacaagagca c 261

<210> 7748
<211> 218
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7748

agtcacaaag agattattat atgtgaccat ggcatgaatn tacttatcaa tcatataatc 60
tatctttcaa tatcttcttt catctctttc aacactttca atagatcttt ctgatctatn 120
tctcttcatc tttctaaaag gttttgttca aacactttct cttccaaaaa aagttctttg 180
gtcaaaactt gggctattca tattttttat tctcttct 218

<210> 7749
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7749

agcttccttg agaaaacttc cttgagaagc tagagcttag ctacacacac ccctctcata 60
 actaagctca cctccttgag aagcttcctt aagaagattc cttaaagaagc tagagcttag 120
 ctacacatac ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc 180
 tacacacccc ctataatagc taagctcacc cccatgacan aaaacatgaa aataacaaaa 240
 aagtccttat taaaaagaca actcanaaat gccccganat acaaggctaa aaccctatac 300
 tactagaatg gcaaaatata ggcctagacg aatganaacc tattctatat taaaaagata 360
 gcgggctcta cttacccatg ggtcgaatct acct 394

<210> 7750
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7750

agcttcctcg gggccattgt ctgcgaatgc aaacattngg aaagttagtt ttaccaagaa 60
 atgctactct taaaacaaaa atggcacaca acctcctcca ataaacacaa acatcaatgt 120
 aaatttagag canactcatg gacatacttc cttatgaaca ttactctgca caagatattc 180
 ttctacctaa aaaaatgcac ccatgcgcaa tcaaggcacc tttgttacct agacttattt 240
 atgtgtactt ccaaggtgta tttgtacct acatcacatg caacttcttt ggctaaatta 300
 catacatgca tactcaaagc atcttggcta ccaaaaattg cacacgtgca cattcttgta 360
 tttctaatac ctatgcatat acaaactt 388

<210> 7751
 <211> 284
 <212> DNA
 <213> Glycine max
 <400> 7751

agcttctcgg tggcctcgct gttcgcatgt ataacatgtt actctgctaa tgcattcttc 60
 tagttggtga tgtgatttat cattaggcaa ggattttagg ttttaattatt acgaaattgt 120
 tgattacttg ctttaatgtt tatgtttcat catggtggat taatgtaaaa gcaagatcac 180
 ctgtttatat tatttgattt gagttaacaa tttatttact gggaatttta ctattggtgt 240

tcataagttg tatacctagt cctagatggt aaccgggcat tctt 284

<210> 7752
<211> 289
<212> DNA
<213> Glycine max

<400> 7752

agcttctcct ttgctcccta taactgattg cagttctcga gagtggtgga cctcttttta 60
gcattagggt ggaaattaga taccgagcta ttacagagag ggtcggagtt tcgcctattg 120
tatagaagat ggtggaaaat atacttaggt ggtttgggca tgtacagaga agaccggaag 180
actctgtatt gaagatgagt gacctgatgg agagaatgca cacacttcga tgcagatgaa 240
gaccacaaa gactattcga gaggctatca agaacgatct cgaacttaa 289

<210> 7753
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7753

agctnggatn gatttgggtct gacgagggat cgatgtttat taatttaggc tacgacatag 60
aacacaagag catgattgat tagagaaata tatttatatg catcagcttg tttatttgaa 120
agaccaaca tttctaccta ctactgttac ttttacttac cttgcattnt atagttttta 180
gcataaaagt ttagtttaaa ttctgtttga aattatcaat catacatggt ctctcaacaa 240
tgcttcattt ctgaacttaa cttaggctaa cattagttcc ttgtgttcga tactcngatt 300
cnatccattt aattttttaa tacttgacaa tccagtgtgc tttccggcaa accgaatttc 360
cc 362

<210> 7754
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7754

agcttctcaa ggatgtgagc ttacttatga gaggtgtgtg tgtagctaag ctctaacttc 60

tcaaggaagt tntctcaaag aagcttctca aggagagttt ctcaagatag cttctcaagg 120
aagctaccta gtctataaat agaagcatgt tgtacactcg ttgtaacttt gatgaatgag 180
agtcctgtga gacacaactc anagttcaac ttcttctcct ttttgctcct tcgatttcgt 240
gctccccct ctctctttct ctccctctgt ctttttcacc attgaagcat tctctccaag 300
cttttatac 308

<210> 7755
<211> 157
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7755

agtcaaacga caataactnt tgactcggat gtccgattgg gtccggtagg atatacgagac 60
gctcgtaatt gaaaacggaa gctctgagaa acatcaaaca acaataactn ttaactcgga 120
tgtctgatgg agccctgtaa tatatacgaga cgctcaa 157

<210> 7756
<211> 322
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7756

agctntgaga aaaatcanac gacaataagt nttatctcgg atgtcctatt aagccctgta 60
atatatacgag acgctcgaag ttgaaaacgg aagctctaag aanagtccaa caacaataac 120
ttttaactcg aatgtccgat tgagtcctcg aatatatoga aacgctcgta atttaaaaca 180
gaagctctga gcaaaatcaa acgacaaata cttttaactc cgatgttcga ttgagcccta 240
taatacatcg agacgctcga tatgaaaacg ggagctctta agaaagtcaa acgacaataa 300
cgtttgactc ggatgtccga tt 322

<210> 7757
<211> 333
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7757

agcttagaac aataaacttg gccttctctt aattgtctnt gggcttggcg accacgatca 60
 acaaagtact ttccggcacct actatatgtt gacttgacca atgctgttat tggaatgttg 120
 cgacaatctt tcaacacctt tttcacacat tctgataggt tgttttcatg tgaccatc 180
 gtcgtccaga tgtatcgtaa gccatgctcc atttntcttt ngaaatgcga tcaatccatc 240
 ttgctatggc tggagtcaat ngacgaaatt tttctaagtt ttgatcaaac acatgcttgc 300
 aaggagtgtg cgctgcatca anattgtatc atc 333

<210> 7758
 <211> 254
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7758

agctntgcga aaagctngcc gctggagctg acccattaac tggcctaact cctttagact 60
 agtggtcctt aggctcttga ccttgacttg atagaacctt tttttaagtg aaggcatttg 120
 acttgatcac atngtttact aaagtgcga aaaatcggtg cgaatcaaaa ctctaacatt 180
 tatcatgggt ggaattgatg aatgcatgaa gatatgcata tgacacagat gcgtattatg 240
 aatacgggag cccg 254

<210> 7759
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7759

ctgcagctta acttcggctg tgcatactgg tgaataattg tggcacagta gaacttgaat 60
 aatcctccag gggtactctt cttagctctt cagccatgat tggatcttca acaggttcta 120
 tatgagaatg ccctacaata ggaaaactag aagatgcctt ggaagatcaa ggttcttctt 180
 ctggagttgc tgttgcttct aaatactgca aaaaaaattt tgattctctc tgaattacgc 240
 cttctacaag tggcattaat ctccaaatca ttgggaatca aatcacctgc agtagatctt 300
 ctttgcatc aagaaaacag aacaacaatt atccagttca naagaacaat gaatgtacgg 360
 taactaaaat atgaact 377

<210> 7760
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7760

agcttactnt aagtatttct aatatttctg ttgtgggaat tcttttgtat ntttttaaag 60
 cagattccca ttcttttata cttnttttta aacaagttag aacctattac ttccaaagcc 120
 agtgggaaggc cagaagcata agttactgca cgttgcaaga cctccacgta atttgatca 180
 gcttttttct ttttaaaagc tttccatgta agtaactgaa gagcatcggt ctcacccaat 240
 tccttcacct catatgttgt aataacttga tgagggtgcta gcaattgttt gtcccgagtt 300
 gtgatgatga atttgctgcc gggaccaaac caatctgggc taccaacaat tgcctgtaat 360
 tgctcgtgct tgtcaacatc gtctagaatc 390

<210> 7761
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7761

agctngtata tttcattntc atctgataca ttatctacaa agaaagagta agagcttgga 60
 agaaccacaaa taaagcagtt ctttcatgac aatgactgaa ggtatatttt gattctattt 120
 tccgcatttg ttaatgactt gtgtttcatt tttgttggtt gtaacatcac aggtttgata 180
 ttttagtctt acaaggattc caaagggtta cttaatttgc cattttttta tcacattaat 240
 tcactctccga taataagtga aaggacaatg atgtgggcaa agtgaaaggg tggagaaaat 300
 taaagctttg tctgaagtag ctactntgta tgggtggtac atagaagatg ggtaagtgtt 360
 ctttaaaatt agatgaattg cttttttttg agtccatgct tttgttcaca t 411

<210> 7762
 <211> 239
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 7762

agcttaacct ctataaaagt ttctttctctt atggtctcan atatagccac ttcttgtgct 60
aacttaccaa cttgaatatc tagactttta gatgctcgtt gagtagattc aattgtttct 120
ttgaattgca tcaacaaatt atccaaatta gaactttctt cttctggata ttgattgtan 180
gggtgtaact cttgctccca ctgataatth tccatggagt agctcttgct aacctgaat 239

<210> 7763

<211> 168

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7763

atthgtgccc ctgctattct agaagcatgg ccaaaagtnc aagtgctggc tgattatcct 60
gtaccttcta gcatattggt gaggtttgat tctctattg aagaccaaac ggtagtta 120
taacatagtc gtctatatga tgctctcagc ttctcttctt atgaatat 168

<210> 7764

<211> 347

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7764

agcttgtatt attgtttctac cagcatatta aaaccatcaa ttntctttaa agttggagaa 60
aaattgaaat tntataaata tttaattgta atcattcttt tattatctat ctaatcactt 120
aaattcaatt ttgatttgg aatctctttt gtctatatca aacaatctca atctttgttc 180
attcctcata tactttcatt cctattcatt catatcaacc aaacacacct taaagagaac 240
cagctcttca acgttcctac tcagagagag gtatatccta tcctttcttt atttcccatc 300
atccggtgat taagtgagaa gtaattttac attgngcttt tgtcctc 347

<210> 7765

<211> 310

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7765

agctttgatg atgttgtctt caccgatgaa aggatcaaag tangtctaaa aagaggcaaa 60
tctgatcatc atgctttgat acatgccaaa aaaaactagg gcaaatgaag agggtgagaa 120
tgaggagaa gcccatgctg tggtgccat tctatacag ccatgtttcc caccaacca 180
acaatgtcat tactcagcca ataacanaac cttcttctta cccaccgtct agttatccac 240
agaggtcatc cctaaatcaa ccacaaagtc tgtctaccgc acttccaatg acgaacacca 300
ccttttagcac 310

<210> 7766
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7766

agctngtaga atggctagac atgatacatg tcatggtttg gtttggttca aggataaaaa 60
gggatgcccc acattatttc catgacacaa atgcaaaaat gacgatttgg aaattttatg 120
caaaactggt tatgcatgca cctatgcgga cactcaagtg tcaaattntt atggatcatg 180
gatgctaggg ctcaagaatt catttctcta ntttagtcaa cccaacgttt ccaaaatag 240
ttcttttctc aatttgtgca ttcacccgag tccatttttg gogtctggga aaatcttcac 300
agcattcacc cttcaggtgt atacacat 328

<210> 7767
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7767

tagtcaattt ttnttctatt aatttcaaaa agtnggcatt ttttaccatc aaactaatat 60
cttcatttaa ctntcttttt ttatgaaat atactntaca taataataat aatgaaggtc 120
gattgtatta tctaaagaga ttgtttggnt gaaaaaagaa gataatatta tngttttaca 180
tttttcaaaa acataaatat ccagggaata gtttatttaa ttatttaatt attaaaaacc 240
taaaataaca ataatgagat gaaaactggc ttcataattg gctataagta tgtggcagca 300
gcagaggcaa taaagttagg aaagcccttg accccttct 339

<210> 7768
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7768

agcttgcaag tgtaacaacc aaaagtgtac agtatcaata ctcataactt tgataagnta 60
 gtgaaaactt gatggttgcc aagaactaga tgtattattg aggtcgagat aatttgcaat 120
 attagagttt ttggtggccg ataccgatga tgttgagggt gatgagaaat aatttgtatt 180
 cgatgggggtt gagcttttaa tctactcaca gagaatcctt aggtttttaa tctaatacat 240
 tncctcttcg tgagtgacca ctgcggtgtt tacctcatga ctntggtaca ggcgcgaggg 300
 tctaccattc aacgtggtgg caatgatgag aacaaccacg agcagtagag caaccaaacc 360
 ttcaagtcgt accacca 377

<210> 7769
 <211> 158
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7769

agctnganag gtggtactat agaggattac aaggttgtaa actaatataa tcgtgcatat 60
 taactacaac tgcannttaa tttataaggg aannattgta attgactcta tgctttgcc 120
 tcttaggaca acaacgtgga tgaagatctt aatgatga 158

<210> 7770
 <211> 263
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7770

agcttttaca aaagagnttc tactctctgg aatctattac cagnttactg taatcgatta 60
 ccaatagaaa atnngtnttc aaaagctttc aaactgaatt tacaacgttc caattaattt 120
 caaatgggtg taatcgatta caagattttg gtaatcgatt accagtgtgt ttgaacgttg 180

aaattcaaatt tcaattgtga agagtcacac cctttcacaa aaatgctttg tgtaatcgat 240
tacaatggat tgtgaatcga tta 263

<210> 7771
<211> 177
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7771

agcttttttg agtagaaaca tgggtctcta ctcattttat ttcaaata aaggctgtat 60
ctagncaagg gctgagagac catacaagtt tcttagcgac ttctaattat gtgggccatt 120
aagtctatca tatgttgaca atagccgaga agcccatgaa tctctttggg gcggagt 177

<210> 7772
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7772

ctgcagctta tgtaagtcaa tttaggaggc atctcggata ggatcttttc cgtgcatatt 60
tgcgcanaat ctcttgaact aggaagatgt tgtccatcat ctttctgttc ttaatgaagg 120
cagtttgagt ttccccaata atagtctcaa gcaactggggc tatgcggttg accaaaattt 180
tagacataat cttgtataac aaattacaat aagatatggg tctaaaatgg gtaacctggg 240
agggctaata atgcttagga ataagtgcaa taatagcatg gttgatctgc tntannaatt 300
ttctagttgt aaagaattca ttaaccgcct caaagatatc atcaccaatg a 351

<210> 7773
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7773

agcttatgca tnnгааagtg gtttgatcaa tntctcagat actttattta aaagaaaagc 60
gtatgatgna acaatttgag ttacagtatc acgtaaacta agattatcat tcaggatctg 120
ttttctcatc catgccttgc acagttgggtt ggtcatgact catgatatga ttgtaccttn 180

taggaatgat aggtttttga tataaatggc cggtagact cccttagtga attgaaaaag 240
tatctgatcc atggcatggt agaatgtgtt tacaaccatt ggtgccaatg atggcngaaa 300
taacaatgca tgggttaatga atgggatttt nggatgcttg aaagcttaca atcata 356

<210> 7774
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7774

atatcatgaa actaccctac acctagagaa cagggtagag gcagagaact ctacccaaaa 60
cacattcaaa ttccacagct ttccctactc atatacccca gtaacattct cttcgttccg 120
attcgttaac cgctggatcg ccttgaaagt tctactagag gttcctagta cataaatcta 180
cattttgacc gttgggatct gctaaaaacg gcctggaacc cgaaatgtac tattcttccc 240
atgactagca atgcacaagc natttctgca catgtngaaa aattctgtgc acaatcaaca 300
agcattt 307

<210> 7775
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7775

gtcacctgag gctgcaagct gcacaagata tttnttttgc cgacattggt gcaattttta 60
tttatgtgnc agcaacgccg gccataata gtttttagtac gatcaagcac attctccttt 120
ttgatttcgc tcagtaatag gtttaccatc gaggtcgcct ggggtatttc gtgggaactc 180
aaccgccggt gtgtttcggg tgacattggc catccttgat agaagaggca aagaaaaata 240
tagccgacca tggcggcaga aaaaattctc gacaaacttg gattaaaaac aattctagcc 300
gacatcggcc aagaacgatt accggtcgc 329

<210> 7776
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7776

acctgaggca tgaagcttga ggattatggn gtacccatca catgtggtac taggtggtgg 60
tcgggcaatg gtgcacaaca agttttccac atccacaaat cgcgcataaa cccaccatcc 120
cctgttgccc aactccaact gagctcacgt actcccacgt agcccatatc ctcgtttctc 180
tcaacaccgg gtcccatca atctcccaa tctttcccca acatccaagt aactcaacat 240
tcaaacaaca caaaccatca cagccaagaa aacagggcat aggcagaaaa ttctgcccaa 300
aacaccaacc aaaatcacag ctgttctcac ttataggccc cangaacaat tccttcgttc 360
caattcttta taccgtggat cgaactccaa actttactgg aagtctctag tacataagcc 420
tacantttga ccggtgggat ctactagcaa acatgcagaa ctcatctac attac 475

<210> 7777
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7777

agctnntaca tcaaatttag taatgatcca ataactctag aattaaaaga acttaaagcc 60
actaacctag ggaattaaaa gaacttaatg gccgagtgtg actaaaattg tggcaaccaa 120
aagtcacctt cagcagccat caagccagcc accatttggg ctcccaaaag gctgatgcct 180
agggttgccaa ttggggccctt attacaactt gaaccaaacc aaactaaagc cttttagttg 240
attaaccac aacatatttt tggtcagcca actttacaag gattgagcca ttatttagac 300
aaactanaca ctctanaaat gagacaaag 329

<210> 7778
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7778

agctngcatc tgcccaaacc tctttttctca ttgcaccatc atcgccctta acaccaaagc 60
tatcatccta atccatgtcg ccaccacatc gaaccatcct tgtgtcttcg cgttntaatt 120

ttttgttgt cattaacttc cctatTTTTat tttatTTTTa gtggaacttg ggtgagtTTa 180
 atatactata gtttctttga ttaatagTcc accacatgta aagttttgaa agcattcgtA 240
 acttatgata ttggtaccaa atcttagact 270

<210> 7779
 <211> 382
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7779

agcttacctt gaatacagta cgttgcacag cgcgtcaaca gccataaagg cacaatgacc 60
 ctaggtggcg atggtgccac gacaatgtac cctaggttgc ggggggtgccg cgaacaatac 120
 gcgacgcaga ggtagtggag ccgtgacaat gtacccttcc ttttgcgag ctgacagtgg 180
 tgcgacggag attgacctca acaggagaca ccgactaata gcacaataat tttcagacac 240
 tgaggacgat gagtacgcgt gttcaattat cgcgcaaggg ggacatatat atatgaaacc 300
 atgttaacga cgatgtattt ctanaccgt ctttgacagt cgatatgtct acaacggtgt 360
 ttacaaatac accgtctttg at 382

<210> 7780
 <211> 301
 <212> DNA
 <213> Glycine max
 <400> 7780

gcttctatat aagctgaacc catttatcaa taaacacaag ttgagtgtta ttcagaaaat 60
 tagagtttat ctcttttatc ttagtgagag tgattctcct aaattcttga gtgattcaag 120
 aacaccctgg ctgtatcaaa ggactttcac aacctttgtg tgttgccctc gctggaaaga 180
 gtgattcttt ccttcctttc atcttcaccc ttgttctttc aaatcacaat tccagaaaat 240
 tcaccctgc ccagaaatat ctcgTggcca taactcccat tttacgcact caaattaagt 300
 g 301

<210> 7781
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7781

agcttgtagg attatggggg acccatcaca tgtggtacta agtggcggtc gggcgatggt 60
gcacaacaag ttttctacat ccacaaatcg cgcataaacc caccatcccc tgttgccac 120
ctccaactga gctcacgtac tcccacgtag cccatatacct cgtttctctc aacaccgggt 180
ccccatcaat cctcccaagc ttccccaaca tccaagtaat tcaacattca agcaacacaa 240
actatcacag ccaataaaac agggcaaagg cagaaaactc tgcccaaac accaaccaaa 300
atcacagatt ntctactta aagacccag taacaattcc ttcgttcag ttcgttaacc 360
gttgatgga ctcgaaatat tactggaagt ctctagtaca taagcctaca 410

<210> 7782
<211> 116
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7782

agcttatcat aatctattac atagctcntt ttgagacaat gnagtgattt ttaggagtct 60
ctactntaat cgattacttc tctcttaaaa tgtgcttcag aagtgatcac aacttt 116

<210> 7783
<211> 284
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7783

agcttcaaga gatcatccnc tcgacaacat tattggtgat atctcanaag gggtaacaac 60
tagacactct cttaaagatt tatgcaataa tatggctttt gtatccatga ttgaacctaa 120
aaatataaaa gaagccataa tagatcataa ttggatcatt gccatgcaag aagaactaaa 180
ccaatttgaa agaaacaatg tgtggaaatt agtagaaaaa cctgaaaatt atcctgtcat 240
aggaacaaaa tgggttttta gaaataaatt agatgaacat ggta 284

<210> 7784
<211> 196
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7784

ctttctcgtc aattctagca ttctactcac acttacctac tanagaaact gaagtagcaa 60
ctgatctcat tattcaacaa caacaagagg caaggaaaag gtagactact ctctgcaca 120
agtaaaaatg tgagcatctc ttatatgcat agcaaaaaca aaccctttta tagcacgaat 180
tactctcact atattt 196

<210> 7785

<211> 509

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7785

ttattgggcc ctttgtcgcg tgatcttgag acacctgcgg catgcatcta tctcatggag 60
catacgagct gcaagaacta catgctatat caactccgac ggaatgaact gcaacccatc 120
tgaagttcta tagtagctta cctactgtaa gaccaggcgt tgtattcttt ctctactca 180
agggccttttg tcccgaaga gaacaatcac gggtttggca tgatagggtg taacgacgct 240
gccctgggga gcgattgaan ttgctctcat agactacatt gaataagagt cgatctccct 300
tcagctatat aatctctcgg ggcacctac gaggtctatc catccgcgtt tgccttgatga 360
gcctcgaca cgcggatgaa cacttctggg gcatctcaag agctgccaac taaggtcacc 420
ttgtgaatgc gatcttaacg ctgtacaccc tgggtctccat aagagggtcca tcttcaagtc 480
gtacactaag tcgtcttgga gctcgattc 509

<210> 7786

<211> 320

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7786

ccttaccgcc tcaataaaca taggctaatc agcaggccaa tacccaataa taagtaaaag 60
ttgcaactcc gaatgaaaca ttaaaatcta tgtgaatcan aatgcagaaa gaaaataaag 120
tagtctgatt accctcttga agagcctcga tgggtgactg caaatcatgg cgggtctttgt 180

ctaggctaga cattttcttt ctgcaatatt tattatgaaa agttattttg atatacccca 240
gaaataaata tattaaaatt cccgagaacc atcaaagaaa ggagatgaag agctgacaga 300
agatcaaatt cgcgcagaat 320

<210> 7787
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7787

tgatattgtc acagaataca cttgaggcac ctccctccatt tcattccccc cacttgaatt 60
ctagtcgctc attagttaaa aagggtgtata tttttacagc attgaggaga aataataatc 120
aagggaataa tcattctatt ttcaaaataa taattgttac agctgtcatg aattactagt 180
agttagttag agggggtaag aaaataaata tgaaagactg acagaggag gagataata 240
tatgtaagaa gagttggcct ctcanagagc taagttagga ttgatgcagc tcttgctact 300
tcatngtatt tgataaagaa ctatccaacg aagaaaagtt tgacttatgt gagtcaaatt 360
tggatggact aatcact 377

<210> 7788
<211> 112
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7788

ctgaaaatat ctaanaatct caccaaataa aggtccttct ccttcttgga aggtaccaca 60
ggatatggta cttccatact ttcggtcaca actttatcac ctctactcct ct 112

<210> 7789
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7789

ttttgttca ctttctatct catattttnn accatctgat gtctgacttt acggatctag 60

ccctgttcag taattacgcg aatatgtttt attgcttttg caaacggaaa attggccaat 120
aagatgggaa aacattttgt ttatatccat tgtaagaat aatagctcct attgggctca 180
tgtaacaaac gaggggttaga ctgaagaatt ttcctttgtg tattatcaat atgtctaacg 240
acatacatga caaaaagggtg aacgtaagaa taatgtcagg agccatgtgc actaacacat 300
cccagtatga aacttcatga gaaccactct tagtgaactgc cccacaact cttgcgatgt 360
gtatgtctac gtgaggggaa caaatatgat aaatgggtgga ttcgagggat cttaattttt 420
atcttcttta gtcgacgtgt atatttattc g 451

<210> 7790
<211> 433
<212> DNA
<213> Glycine max

<400> 7790

tctaagcacc tgcagctgca gcttgaggat tatggggtag ccatcacatg tggtagtagg 60
tggcggtcgg gcgatggtgc acaacaagtt ttccacatcc acaaatcgcg cataaaccga 120
ccatcctcta ttgccacact ttaactgagc tcacgtactc ccacgtagcc catatcctcg 180
tttctctcaa caccgggtcc ccatcaatcc ttccaagctc cctcaacatg caggtaatac 240
aatattcaga cagcacatac tatcatcacc aagaaaatat ggcaaaggca gataactctg 300
cccaaacac caaccaagat cacagttttt ctcaactaaa gacccagta acaattcctt 360
cattccaggt tcgtaaccgt tggatcgact cgaaaatttt actggaagtc tctagtagat 420
aagcctacat ttt 433

<210> 7791
<211> 575
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7791

aacccttcat ttttcgcatt cttcgctatt attcctgttn nccnnaattc atattgtgat 60
cttgaaacct cagatcgaga tctctaagca cctcagcatc aactttccgt ttagcctctc 120
tttaaagatc tatcggtctt aaactgggaa atcgctctcc tgccttaaat aatgcaaaaa 180
ctactacggc ttccgattac gataacaatg agggagaaac ccatgctgtg actgacattt 240

ctatatgca agtctccacc aagccatcat agtcattact cttccaatat catcccatat 300
ccttaccacc acccattatt cacaaaggcc gatcctaaat gtaacctaca aaccaccta 360
ccacacaacc aatgctaate accctcttta tctaaccaca aaacaccaac caaaaggaat 420
tttgatcata tagcctgtaa gatccacccg aaattccggc gtatatgctt acttggggtc 480
atatctactc aataattcaa tggatcacta tccctgtaag gttccaacct cccttctcca 540
tgaacatct gacacacatg tctattcttg aggcc 575

<210> 7792
<211> 470
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7792

cgagatcctt aagtcacctg acgcatgcaa gcttgaaggg accactcaca tttttactcc 60
cagtatctct tctaacaat tctttcttcc tacacctata ctgaccgctc ctttcacaac 120
caattaacac aaatgaactc ctctctccac taccagtctg tgtgtcagac cttataatga 180
ctgcaacaaa tctattttca tgagcaactg atcgagccca ctgcaaaaca tcatctcggy 240
tatcaaacac ctacaacgta acccaaaaca atttagtttt ctacaacaca ttcatntat 300
caaatcactc acaataacga acattattac ctaagaagta ttaaagcat ccgaacaatc 360
aacatgtggt tcgttcacac cacatncttt gtcatttgat catccatata aacttcttct 420
gacttatatt gcatacatca tcgacttcgt catctaaaac aaaaaatttt 470

<210> 7793
<211> 347
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7793

acattaatat tgattaggta accagtgact cagcgagtaa ggggtctctt cgcaactta 60
gtggaggggtg aactaactcc cttgccata ccaccaataa aaacacgaaa ggcaatatga 120
acaaactttt aaaaataatt ctaaaagtaa aagtaacttt ttaataaata aaaagtttat 180
ataaattccg agagagagag agagaaactn anagaaaaaa cggagttaaa cattacaggt 240

taaaaaaaag tcctaatcca gaagcagagt ggaatactga aatgtattaa gaaccaaaca 300
aatagcaact tgcctttgca catacaggag gttcaacatg acataat 347

<210> 7794
<211> 317
<212> DNA
<213> Glycine max

<400> 7794

agcgtctcaa tatattacgg gactcaatca gacatccgag taaaaagtta tcttcgtttg 60
aattagctct gaggttcaga attcaatttc gagcgtctag atatattacg ggactcaatc 120
agacatccga gcaaaaagtt attgtcgttt gaattagctc agaacttcat aattcaattt 180
cgatcgtctc aatatatttc gggactcaat cagacatctg agtaaaaaag gtatggcggtt 240
tgaatttgct gagagcttca acattcaatt tcaagcgtct cgatctatta cgggactcaa 300
tcagacattc gagtaaa 317

<210> 7795
<211> 535
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7795

taattacttc ttatcggggg actatctata ttgtaaaata taannnnntnn aattttgatg 60
aacttgaagc ggatctaagc actgagctgc aactcatata tcctatttga tttgagagat 120
taatgggttaa ttcaatctaa aattttaa atcaagcatt taaatatatt gacccactg 180
tcattcttga ctgccagaag ggggggttga aggttcacaa taaattagct tgattcataa 240
ctttgaaata ccaaagcaat taccaactcg catgattctt atttccttgg attaataata 300
ttgtttgact atcactattg ccatgaaaac agtcacgttt ttattcttgc tttaaaaata 360
ttgggatcac aactatttct attaatattt ttgccctctt accaaataaa aaagatatct 420
tgcttgctgt ttggtaacaa gaaaatatat tatactcttg ttgcgtgtga acgtgaatgc 480
cccataagt atttaactca ttgacacact ggattattat ataatccact cttct 535

<210> 7796

<211> 585
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7796

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cctcattaca ctntcaacgc gancataata tgttgtgagc ttgtgaataa tannnnntnt 60
agtacnngng tagtgaggca tgagcnctgg attcttccat ctatctgcac gcatgccagc 120
tngagactat gattctactt gctcaagaga tcttatagat gtgttccttc ttgtattgtg 180
gcttgagttt agtggaaga gacccttttc tttccctct catcttctat tttcatttgt 240
tcgtccatga gcactatcgg gaagtaataa aattgaccat tctctaggtc ttgatgtgct 300
ttatgctggg tttttggtgg tctggatggt gtgcatgatg cacaacgggt gtgtgagtag 360
gagaatagct ttatcctgga cctaaagccc ctcaatcccc tttctttctt cttctcataa 420
acatgtcttg attttgtaag gtatcgaagc ttaaccttct ttacttatgc tgggtggaac 480
cttgtctcgc tccttatagc tctctaactt gacgttcttc cgaaatgaca attagttagg 540
gttcatgtat ccattgagtg cttgtccaca tctcacctca ctgcg 585
```

<210> 7797
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7797

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cttataatcg attaccacaa gttttttaaa cttntataa catcctctag aaatttgaat 60
ttaaattcta aagcttgcaa tcaattacaa cttgtgtgta atcgattacc agacatgaga 120
attcaaattt caaatctgaa gagtcacaac tcttcagaaa ctaactgtgt gatcgattac 180
aacaattatg taatcaatta ccagcaagga attgtcgaac ataactcca agagtcacaa 240
ctgttcaaga agttttgaat ggctatcaag gtctataaat aggtgacttg ngacatgaaa 300
ttctgaaaaa gagaatttcc tgacaaattg tctatcctct caaaccaaatt tgcttatact 360
ctcaaaagaa ttcttgtcaa acacttcaaa ttaa 394
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<210> 7798
 <211> 343
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7798

tgagatcatc tgagtcacct gacgctgcaa gctttattta tttcatacag ttaccgttgt 60
aatcggacaa aattgtagct attctttttt agatatggaa aaataaaaca ctagtggtaa 120
agctagtgtg ttggttgaat gttttctcat gatgcagaaa ttattaattg attntggcat 180
ccatataaaa ggagaaacaa aacatagaga aagtcaacac agatcaaggg ggctgtattc 240
tgatttatct tacactctat taaagcatag taggacatag ttgaagtttc aaagggacgt 300
catataacat gaaccgcgtc aaaatcatta tgttattatg cat 343

<210> 7799

<211> 293

<212> DNA

<213> Glycine max

<400> 7799

acactgctca ctatcgatgg cgatgttcta cgtttctata ttattattat tattattatt 60
attcagctat ctagataaaa tgaatatcaa ttgtatctaa gttaatcgtc taagcttttt 120
acaagatcaa ggaattattc tatgcaataa aataattgtc ttacttaaaa gaaagtgtta 180
atagtgttga tacattggag caatcattga aaatttgcaa acatggatta actaaactcc 240
tctttttctc ttatggatga aatggataaa ggtctatttc cagggatgtc act 293

<210> 7800

<211> 329

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7800

agcttcanac ttcattccat ccagtcactt tctcttttct tcactttcca tggcctctct 60
aaagcactca aattctctat catctgtag gatcacatac tcattaggag aatacctctt 120
agaaaggtgt ctctcccagt tggacctcct aagttgaact tgaggtgatt cggtagcctc 180
accgagaatt tcatcttgtg acatgtcatg ctctcttcca tcatcatcat caataggaac 240
atatacctca totccaggtt gttggacacc aacatcattc tgaacatcaa tattcaaatt 300

ctgaataggc ggctaaacta gttgaaaat

329

<210> 7801

<211> 276

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7801

agctn gcgct cattataatg agatggaggg agaatctgcc aagacgtcat acactatatt 60

tatcatcacc tgaatattta tataatgtgc ccccttgatt cttttgatag ggacaaaaat 120

gtatgaattg aaatcaatac attatatnta atctcattgg tttttacttg ctttcctga 180

tcagcaccca tccttgagag atcagcncga gaaataaaga ctcctcctca taccctatga 240

tctacaatag ttatgtttgc catatgtttc tcattg 276

<210> 7802

<211> 262

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7802

catgcaagct nntcatttca tatttcgacc atctcgaata ttaccggact catccggact 60

tccgtgtata aacttattgt caattcaatn ttctcagagc ttcggatcaa aattttgagc 120

atcttgatat attacgggac tcatttagac atccgagtaa aaatttattg tcgttagaat 180

ttgatacgag cttccgtttt caatttggag catctcgaga taaaatgaga ccctctgtcg 240

ggcatcccga aaaaacgtta tt 262

<210> 7803

<211> 125

<212> DNA

<213> Glycine max

<400> 7803

tgtgagcata gtttccaaac cttatagga aaataggcga tcgctccagt gctagttttg 60

cttaacctga gagaaccctc tgaggcgtat tgtgatgcat caaagatggg cttaggacga 120

ctggtt 125

<210> 7804
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7804

ataaggtctc gattcaagag gtggattcaa cggaggaaga gcatatcacc tgtacttacc 60
 aaaatntgga gttggcacat gtcagagtgg acgtgggtaa cgtgcgctcc taaacttcac 120
 atgttggact gatagtgacc tttgttagaa ggacaagagg ggggacttgt gtaacaccct 180
 aaaatatcgc ttattataaa tcaatattta atatatntat cgnngttatt gattatatga 240
 ttgacttgaa tgagtttagg tatgggtgtga attaatacatg tgtgaatttc ttgatgtgaa 300
 tgtcgagtta tgtggagttt attgacctaa gttgaaatat gagaattaaa tttacc 356

<210> 7805
 <211> 495
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7805

ntgacccgtg agctcggctc ctntcatgca nctgcggcat gaagcmttgc ttctattct 60
 tctctgattn ntcttttctt gctgncagat gccctttgtg tttcaacttt attctttaaa 120
 caattacaca ttctctctct ttggctaata atccgttggg attacacggt tctccaattt 180
 ttttatttaa tggaaaaaag aacctttcag cacgtaaagg ctgtttttct ttttacccca 240
 cccacatcca ctttacaatg cttatcatta gatttgacat gccacatcta ggagcttctt 300
 atacattacc ttttttgctt ggaaatacac ctctttttct atattatcct cctattcaaa 360
 gataaacacct tccacttact gactccatct ttttttttgt ttgtatgtac cgatactcac 420
 accccctacc tttcttttgt cttttcaaca tacattttct tttcttttat tcacatacat 480
 cctacctgct acacc 495

<210> 7806
 <211> 204
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7806

tacattcctg ggaatggttt tacaaaactt atatcaaaag tggtaatgtg atattcccaa 60
 gtccacattc ccaggaagct tgctcaacac accttgaaac aagaaccacc caaatgttca 120
 aaacttacct accaatttcc aacagactca aatcanacag acaaatgcag caatttgcaa 180
 taattaattt acctttaaac gatg 204

<210> 7807
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7807

agctagagga aacccttcgc attgtacctt ttatttcccg caaaacccaa aactgtctca 60
 gaaaactatg atcctggatt tgtaaccgc tggattatat tcgaattgng atatgttggt 120
 agaaattcaa ttgcacaaac tttcactgtt gggatttgca agataatatt tgtggaggga 180
 gaaaaatgaa tcacatgaag atagtgaag tggagacttc aattccttct cattctctcn 240
 taacgttggg gaccctatca gagcaaccag aggaatctca agaacttggt atagatgtct 300
 ctattcgtg cggaagacat gtgaaccgc tt 332

<210> 7808
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7808

agcttgatg ctngcactag ttctttggct ntacacacta actcagacaa aatggtgacc 60
 caatatgctt ctcaagtcaa gaaaaccatg gntacattca tcattgactt ttggacaagg 120
 aattcaggga agtaacaact agttgcaagt aaaacttaca tattcttagg aaagaaatga 180
 gcttgtagcc ttggaataga tctatcttct acccaaata gaattttgag agcagctcta 240
 gtggcattgg attacatgtg tcaatcgtag accagacatg acacataacc cacaccgtag 300
 gaaataacat caagcataaa tacaggaggg agttgatgtt ttattttt 347

<210> 7809
 <211> 261
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7809

agctagacga aagtagttga gtaatatatc atacttcaag agnaaaaatt actcaaccta 60
 tanttgtgag tcatgatnga aatgagaatt tgacaaaagt atcgaattac tcgagtaaca 120
 taataataag tatggttttc acaagaattt gtgcaataat taaataatta atagtaaatt 180
 agatattgac gcgtgcaatg catagattaa gaaatatgta aatcgtatga ttagaattag 240
 aattatttaa ataaataaat c 261

<210> 7810
 <211> 88
 <212> DNA
 <213> Glycine max

<400> 7810

agctcgtaat ggtaagataa gagcatcaca cagtcttcta ataagtataa gaaaaactat 60
 aagtataaaa taaagtagat gtacccta 88

<210> 7811
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 7811

gagatcattc ttctccacgt aaggcgtgta gggagactca aaccctataa cgggatgcgt 60
 cggctcaaag ggctctcaaa agaagtaatg ccaggatatg ccatgtggct agaggcctat 120
 aataacataa ttgcctaaac catttccaac aatgcatgtg acacttgaca catatccaag 180
 taactctcaa ttgctctctt ttacacaagc actaggtgtc tatcctctcg aaaacatata 240
 tccttctcct ttactctaac gtcgaatatt gaatccttac tcttcttctt ccttcatgat 300
 cttccatttg ctttctacca ggtgatcctt ctctcttttt ctgcaatttt attctttact 360
 ctctctttac cgtccatttt atcttctatt ctaccctttc tcgctttctt ttttcttctt 420
 atttcatctc tctctctctt gcc 443

<210> 7812
 <211> 131
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7812

agctcgaagg tgttgaaatc tcattcttcc aaattctttt ctcacaaata atctgtctca 60
 atntagccaa tgaatacctt tattatgatt gctgcgcttt cccacctgag aaattcataat 120
 ttccctaatt c 131

<210> 7813
 <211> 508
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7813

cggctcnattg aaccatctgc actcgggatc cggaatacta taagcgctg cggcttcagc 60
 caatggcttg cctgaccaat ttctatttat gacctttgaa ccttgatata ctttccttgg 120
 tttgaagctc actacaagcc ttaagtggac aaccatgata ttacatatt cttgaggaat 180
 ttttgagctt tgcaaatggt ctgcgaataa gtgcgggggg ttatatgttc attggacaac 240
 ttgttttgtt ggctatgcat catgatgtat ttccgggccat tcttgatgga cattgtatat 300
 taggtaaatg ttggacatgc tgaaagaaaa gctgtttctc acaagctaca acaaaaaaaaa 360
 gacagttcgg ataaaaatta gaataaatac tgagcagccc ttccgttgcg tgaatggaat 420
 cctaaatggc tcaacaacga cgaaactctt aggtcttcct ctcaagaaaa gatctgatct 480
 gtactaagtc tattgtcata tttggacg 508

<210> 7814
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7814

agctgntgcc tcanaacaca ttgnttccca catcctatgc tctagtaatc gattaccaga 60
 cagtttaatc gattaccaga agacaatttt aaaaatcaga ttttaaaaaa ggttttgaat 120

tagaatttcg aatcatgtaa tcgattacta gatgtttgta atcgattacc agcaacgaca 180
 cttcagaaaa aactttgaaa agtcatgacc cttcaaaaata taactgtgta atcgattacc 240
 agtgaagaat tttagaaaaa gctttttgaa aagacacata tcttcaaaca attttcaaaa 300
 ggacaaaagg gcctatatat gtgtgtctgc attgtaaaat caagagagag atattctaag 360
 agaacttaat tgccaagtgc tctctcaaca actttttggga aaaacacttc caaatctatt 420
 gagaattcat ccaggaactt caaantgtat tatcatct 458

<210> 7815
 <211> 273
 <212> DNA
 <213> Glycine max

<400> 7815

gatcgaagaa cgatgaagaa cgaatgaaga acgtcgaaga acgggtgaaa cctttgcgaa 60
 attcttcacg gaaaacgtta cggaacgtt tcggaagcgc ctcggttag attttcttca 120
 cggaacgaa ttttccaagc caatttcaaa gagagagaag tgccaaaggg gctgaacccc 180
 ttccttcttc acttctctcc ctatttatag caaaataggg gaggggtggtg ccgccagct 240
 cgcccaggcg agctcagctc gcccaggtga gcc 273

<210> 7816
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7816

agcttattat ccaagatcgc taagaagaag atcaaggagg ctggcagcgt cgttggtctc 60
 aatgcttgaa tttgatggtg tcgctttttt gaatgattta ggtttttttt attttgttcc 120
 aatatgtctc cttttggatg acattgttgt tgttcaatct atgctatatt tcatgattta 180
 atttacggtt ttattatttt aatttatgca ttttagaatt ttgcttattt atgttgaatt 240
 taatcacgtt taactatgat agcttgatga tgttaaaatc tatcgaaatt gttaaaattg 300
 tgcttgtag ctnttgatt gttggacata tgacatttga aattagggtt tatgctatgg 360
 attgaacttc acctaggagt nttgttcttt ttgtgtgatt cattntacat tcggtaaattg 420

acaatgaana caagtgatta gagt

444

<210> 7817
<211> 470
<212> DNA
<213> Glycine max

<400> 7817

ttaagtcacc tgcggcatgc aagcttctta gtttcgtact tggtgacttg gcaatcaacg 60
cattgagcaa caaagcgaga gacgtcatct tgaaggccgg gccaataaaa attgggtcatg 120
agacgagcca cggctcttggc gacgccggcg tggccaccgg tgggggtggc atgatactct 180
gtcagcaggg tggatgatgat gggatatatcg gaaggcaacc agatacggcc tttatacaac 240
agcagtttgt cagcaatgga gaactcacgg tgggtggcgg gatgattctg aacatcaagc 300
atcttttgtc gaaaggtcga attcgtgcgt gactgggtcat ggagctcatc taaaaaagtg 360
agacaagggg cggagagaat gagaaaggct tgagaagctc ctttcggtaa cctagataag 420
gcatctgctg cctgattatg gctccctgag cgatactgga tatgataatc 470

<210> 7818
<211> 412
<212> DNA
<213> Glycine max

<400> 7818

agctagaagc cattgtctcc acaccgcatc taatgatgaa gttccctacc ttgataggag 60
agactgtgac tgtcaaatta gatcaaaagc aagcacgaca atgctacaca aaaagcttaa 120
aggtggcacc ttatcctccc accaaggagc ctaccaaacc tcaccccaaca acgaatggta 180
ccactcaagt catgagcatg gacgaaggat ctccagtcca agccttgact atcttccaag 240
taagcctgga tgatgaattc gatgtagatc cgcgtgatga cacttttgac agagtcccaa 300
agcctattga aagcttgtca agctacagct taaatccaat cttgagcaat ctatgcaact 360
cagtagggac ctcaccaacc ataagcacag acacatagtt gatgtcctac ac 412

<210> 7819
<211> 347
<212> DNA
<213> Glycine max

<400> 7819

agcttctcaa gaaggtgagc ttagttatga gaggtgtgtg tgtagctaag ctctagcttc 60
tcaaggaagt tttctcaaag aagcttctca aggaagtttt ctcaagaaag cttttgaacg 120
aagctaccta gtctataaat agaagcatgt gtaacacttg ttgcaacttt gatgaatgaa 180
agtcttatga gacacacttc aaagctccac ttctatccct cttttattcc ttcaatttcg 240
tgctcccccc ttctctcttt cttttcctcc attaaagcat gctcttcaag cttcttatcc 300
aaggcaattc ttggtggtga agctccttct tccttggtt atgcct 347

<210> 7820

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7820

agcttgaaat tgaacaatgg aagatcttga gatattcaat cggctttaac ttttactcg 60
gaagtccgat tcaggcgcat aatatattga gacgctctcg tgaaattcac atggtcataa 120
cttttacttc agaggtccga ttcaggcgca taatatatcg agatgcacat aattgaacaa 180
cggaagctct cgagaaattc atatggtcat accttttaac tcggagtctt gatctangcg 240
cataatacat tgagacgctc gaaattgaac aatggaagct ctcgagattt caaatggtct 300
aactctaact cggaggtcca atcaggcgca aatatatc 338

<210> 7821

<211> 343

<212> DNA

<213> Glycine max

<400> 7821

agcttgatga tgatgaacct agcaattgtg acgatgcctt tagaccacgt gattgattcc 60
agacttcacg atcaagcgtc atgaatctaa tccaagattc aagattcttg agacgaaatc 120
aataagctcc ttgtgaagac ttctataag gatggagatt aatagatttc tttctaaaca 180
agctcgaca tgagtgttat acaaaccaat tttctcaaat tctttaagct accagagtga 240
ttactctctg gtaatggact acctgttatc agtaagcgat taccagttgt cataccctaa 300
tttcgtgctg cgacctgtgc tcgatgacat gcgaccattc ttt 343

<210> 7822
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 7822

agcttcctcc ttattttcaa cttgttcttt tctgttgctg cgctcctcca cctaccacaa 60
 tatatagcat atataattag ctacaaaaca ttcttcatcc ccgttaatca cttttctcaa 120
 attgaaacaa acgattagga cttcagataa aaaaaaatag aaatagaaga tggacaacta 180
 atctgtatga gagaacatgt gaagtcacta gtgatgtgca taagtgaatt caagaatcaa 240
 caagtagcaa gattcaagac atttgagtct ttaagctctt tctccccata ataacctaaa 300
 cgagatttta aattgttatc gtggttgcaa ttttgttaca attctcgata ttgtgaaaag 360
 aaattgtaga tgcgtcttta ataaccataa tggtagacag gaaatcgtag ttatgaaccg 420
 tattga 426

<210> 7823
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7823

agcttgccgc ccagctcgcc catgcgagta atgttgcttc ctccagaagc aacagccttc 60
 tggagggccc aagtgggect gtgttctatt tacaccccct ttttactaaa tgcaccccc 120
 ttttctattn tttttgtaat tctttttccg taacattacg aaactttatg aatttcgtaa 180
 cgatacttat tttccttccg caagggtacg aatccttacg gattatgtat ttactctctt 240
 ttggctttca aagaagttac ggaaactcac ggattgcgca aaaacacctc ttttcgattt 300
 ccgccacatt acggaatttc acggattacg caagcctgct ctcttttgga ttgttgagac 360
 gtctcgggac ttcatttatt gcatgtcatc aagtaataat ccccg 405

<210> 7824
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7824

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caacacggat atggctcctg atcggaacca gcttcagagt atgaccaagc gagaacatga 120
gtccattaaa gaatatgccc aaagggtggag agatctcgca gcccaagtcg tcccgcccat 180
gactgagagg gagatgatca caattatggt agatacgttg cctacgttct actatgagaa 240
gctgatagga tacatgccag ctaactttgc agacctcgtc ttcgccggag aaagaatcga 300
gtccggactg agaaaagggc aatttgaata tgcctccaac gttgccccca acaacaacag 360
aagagcccca gtggtgggcg cgaggaaaaa agaaggagat acccacgagg tcaccaccgc 420
cccaacatgg atgaaagcgc cccaaatg 448

<210> 7825
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7825

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tggttttttt tactagcctt gtatttttca cttgtgtcaa agggaatttg ttattctcca 120
aaccttttta taacttcttc tcttgatgaa actattcttt taaaacgctc agacaaaccc 180
aaaagagaaa gaaaaagggt tccactttaa agaaaaaatt tacagacaat aatttaatca 240
gacaaacctt tttcaaaagg gctttcacgc gatcatatgc ttctctaagg agtttcacaa 300
cctgcagaat aggtagaggt gtatgacttt tatttttgat aaaacatttc ttagaagagg 360
aagcaaataa tggaaacatg atattcttag ttaaagtata taaattcaca acatttgctt 420
ctgcatcaat acgtgact 438

<210> 7826
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7826

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gattggatta aataaatttt taaggggttg aataaatatc tactctaatt aattttgatt 120
aacattttaca gttaaagtta accattcaca ttatagttta acgattaaaa tttcaacaat 180
tttgtaattt cctttacata ttaaagtatt ttataatgat tttagttatt agttcttaat 240
gttattaaaa agtcaaaata tcatttgatt gcaaacttgt aaactaaatc taaattttct 300
taaaaaatgg acctgacagc gggaggggat ttataacat acatctaatt tattctctgt 360
tcaatgtaga aaatgcattt tgattagatt gcgcttcaat agtgtataac taaaaaat 418

<210> 7827
<211> 444
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7827

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cttgtaatt aataggaaac acttttttgc aaccaacaa aagaacttat cttcgacttt 120
gaatggagca attcttgcca ttgcttgatc acctttactt gcaaagctag catagattcc 180
ataggatgac taattagctt ctaccatttc aagttttcca ttttcattcc aaatgaaaag 240
cttctgatga aatgttgatg gaactgctcc tactccatgt atccattctc ttcccagtaa 300
catgttgaag ttagcttgca aggaaatcac tanaagagtt gtaagtcttg atggaagggt 360
gcttgtgagg cttctatgga ggctggatct ttgagcttca atgaggctct ttaatgggtga 420
ttntcaccat ggagatgtag cgga 444

<210> 7828
<211> 465
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7828

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tcaagggttg agaagtgaat atgagaatgg ggtaaatgtg gagcaaactc tcacctcaaa 120
caaatctata tcatcaatct aaacttgctc aaactgggtt tacgacaaaa actctaccga 180
atcaaaattt gactcctcaa cacccaattn taccctaaaa atggctcttg ccttcaactt 240

ggtcatatgt ttttctctct tgcacagccc aagctttctc atatgtccta gatgacattt 300
 caaactaagg ttactcact ttaacctcca ttaccactg aatcccgttt tagccttcca 360
 actctcaaag ccttacttct tttctactcg taactactaca ttctcacttt ctatccctag 420
 gttaactcta cctctctatc ctagcaattn ctcatcagca atttc 465

<210> 7829
 <211> 452
 <212> DNA
 <213> Glycine max

<400> 7829

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 tatcttccac tgcactcca tgggtgaaaa ttaccactaa aggacctcag tgaagctcaa 120
 agatccagcc tccatagaag cttctcaagc aagcttccat catgatgaga aaaaagatga 180
 cagagaaagc taagagaata cttaataaaa ccattaaaat gagaagttgg tagaaacact 240
 tgggtttatac tgattcactc aaatagagct acgtctagtt ctcttttata gaagagtaaa 300
 ggggttcatt aatctaaaaa ttgattacc aaacaagtat tctatccttt cactcctggc 360
 tatacaagta ttcttctagc cacttttggc actaccttag agttcccctg aatctaagaa 420
 cacctaagta tattttaaca ataagccact tc 452

<210> 7830
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7830

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 catctttaaa gatgcgtctt tcactttaaa acgattgaac cctttctttc tttctttctt 180
 ttttgtgaaa gatgacagat tcaacggccg acacaataga cataaacttt agaacaatta 240
 tataatgatg attgttttgg atatatcaag ctcaaacaat ttgtagtggc tcttctttta 300
 tagaagaccc ttcccaaaga gaaacaaagg atctacatat gtcatagnta agttggagaa 360

gaagattact ttcccaaatt gggggtaaaag atctagtata tgtgaccgac actatg 416

<210> 7831
<211> 339
<212> DNA
<213> Glycine max

<400> 7831

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gagggcgtgt agccctctca aggcgaggac atgtagtcct ctggaggtaa gggcgtgcag 120
ccctctgatg gtgaggacgt gtagtcctct caaggcgagg acgtgtagtc ctatgacggt 180
gagggtaact agtacccaag gtgagggcgt gtagccctct caaggcgagg acatgtagtc 240
ctctggaggt gagggcatgc agccctctga tggtagggac gtgtattcct ctcaaggcga 300
ggacgtgtag tcctctcaac ggagatggta aatattacc 339

<210> 7832
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7832

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aatggccctt tagatgaaga agtttatatt cagcaactcc ccggatatga agtcataggc 120
agtgaagaca aggtgtacat acttagaaag gctctatatg gactaaaata ggctccaagg 180
gcctggaata aaagaataga ctcccttctta catggtgaag actttaaaaa atatattgta 240
gagcatggta tctatgtgaa ggcaactaag gatggtggag tcctgctaata atgcctatat 300
gtggatgatt tgctgattat agggagtaata ccagctgaga tagaaaagtt gaagggaat 360
ctcaaactcg aattcgagat gtcagaatta ggcttgctat catacttcct tggatttgag 420
t 421

<210> 7833
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 7833

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ttaccctcgg aagcaaaaaa agaatagagg ggaaatttcc gatcaaagaa aaagagaagg 120
aaaatttcca atgaaagcaa aaaagaaatg aaggaaaatt cccaatcaa agagtgggag 180
aaagcaaaaa aaggaaaaga aggaaaattc cccaatcaaa gagtggggaga aagcaaaaag 240
aaaagaaagg aaaattccca atcaaagaat gggagaaagt aaaaaaggaa gaagaagaag 300
gaaagaaagc tcctgatcaa ggatcgaaag aaaccagaag aaatgtgcag agaggtcttt 360
ggaccagaca atatctgaac agtacagaat tgtcccaaat gaacganana agaaggaaaag 420
ggaaccacga cctaaaatag tcttct 446

<210> 7834

<211> 421

<212> DNA

<213> Glycine max

<400> 7834

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ttcagctagg gccatgtact ctgcttcagt tgttgaaaga gcaacaactg attgttgatt 120
tgctttccaa ctgattgttg taccaaaca agtaaacaca tatcctgtta aagatttcct 180
tgtgtctaca tttcctgcaa aatctgcac tacataacct gtgattgctg cctcatatgc 240
tgtcttcttg taccttaatc caactttcga agatccattt agatacctta gtgtccactt 300
cacaacttcc caatgtgcac tgccaggatc tcccatgaat ctgcttataa tacttacagc 360
atgagctaag tcaggtctgc taaaaccat tccatacatt atgcttcaac accactggca 420
t 421

<210> 7835

<211> 300

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7835

agctntagtc tttagccttc aattatataa aagttccaag taggacaaag taaaaacaat 60
taaataaaaa agaaaaaggg ttaaacaaaa aatattagtc cttaatgtct tgttgtaaga 120

acatacttaa cgtgggtcgt ggcttgtggc tcgtcttgac tcttgagaga aagggctctg 180
 agagagaagg gttcaaagag gcagcggcga tggagagatc tggcaatgga ttgcacagtg 240
 gcatggttgt cataagagag ggcatggcg aactggtgga gctagagggg gggggggtct 300

<210> 7836
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7836

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 accagcatct caggcttgat ggtggttgag ccgtccatgg attgactatg ctggtgtcta 120
 actctgggcc tttcattagt cccaataaca acattctcgg tagaagaggt gggtgccct 180
 gacgccgtg ttgaagccga tgctccaca gcattagacg gctcaaccat ttgaaacgtg 240
 gacgttgccg acgatgaatt gaacttatcc atatcaaggt acatggacag caagtcctcc 300
 tcggcatcat cggagaagga aggaccatca ccacctcaa caacaccaag gtcactgtcg 360
 aaactaatat catccggtaa agtgagaatc tccgaatgag cagcctatg acctctattt 420
 ctcgnggat tatcaggcat tctgctaata tcattgact 458

<210> 7837
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 7837

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 tgcgatccac tgttcttgat atttctctg gcgaacggca gctctacaat taatctattt 120
 gtcccatcca ttatgatcca cccattattc tcactagggtg caagtattcc gcttagcgcc 180
 aatgtcagca aatgtcaata cttttcacga attcatcatt ttattattct atttttttca 240
 agctacagag tccgaatctc ttctggttgg gtttaaagac tcaagctttt ataaaggata 300
 tttggcgact gtgtatgcat tatccaattc tcattttctc 340

<210> 7838

<211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7838

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agaatcaata tagataatat tatgaagtgg aaaaagatcc atcattagtc ataaccaacc 60
aaaatcataa ataagtcata accaaaaata taactccaaa ccagtcataa attcacaaag 120
acaccattaa aaatccaagt cattaaaaga ctaaaagtcc aacataccan aaagataaat 180
aaagtgcaga anatgataac ttaaatacca tagccaaaat acacggctct aaaaagaaaa 240
tataaactaa actctaagaa ggtggagggtg gtggtggaag atcgaagctc tggcgaatat 300
aaccacatc ttcttcaagc tgtgtgagac agatantcat tctggcaaag cgaatatcca 360
atgaatcana acgttctcca acataagta 389
```

<210> 7839
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7839

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agcttggtcg catatcggtc gcatgtatga tatctactct atcaagggtg aagtagagga 60
gaccttcaat cctatcacgc aacgtggcag acaaaagtgg gcagttaact tgaatgacca 120
ttattgtcaa tgcggaaagt attctgcgct tcactatcca tgttcacaca ttattgcagc 180
ttgtgggttac gtgagcatga actactacca atatatagat gttgtttaca caaatgagca 240
catcttaaaa gctntctccg cacaatggtg gcctcttggg aatgaagcgg caattcctcc 300
ttctgatgac gcatggacac ttgtccctga cccaactaca attcgtgcga aaggctcgcc 360
aaaatcaaca aggataagaa atgagataga ttggctcgaa ccatctgagc accgacaaaa 420
atgtagtaga tgtggaacag aacggcacia c 451
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<210> 7840
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7840

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taccctagta ccaacagtgt atgtaggggt ctgttcgagc cacacttcga agagcagtgt 120
aggggggttct gtgggtttga gcaccacaaa gacttttagc accctagtac caatagtgt 180
tgtaaggttc tgttcgagcc acacttcgaa gagcagtgtg ggggggttctg tgggttcgac 240
tgaggggttt cgggcactat tgaaaacaat gtggaaggag gagggcaagg ttttctaggg 300
cgcggttgt aaatgtgaag tttaacttat aacataacac atccgtttct aag 353

<210> 7841
<211> 517
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7841

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ttanatggcc gaaagggaca agtcttgggt ggaatgcatg gctatcaagg accaaatgaa 120
ggcttgtcaa aggtcgaaga gaagtttgac cgatcacttt agtagaacia aagaatatat 180
gttcacattc attgaccagc ataatgagaa ggtagacctg gctgctgacc atgggccaag 240
actagaagac gatcatgcga cagtatcggc tctaccaatg gaatgggacg caggagagag 300
agtgattgaa taattgctct gcgaggcgat gaactggatg gatagattct ctctcactct 360
gattgggagt gaagagcttt caacgctgtt agccacagcc aaggcaatgg cggatgtata 420
ctcatctcgc cgatgaaagt catgggcttt ttgatcatct ccgacacatg atcgaggtga 480
tgtcccatat gcatatgaac cactgatgcg tttgacg 517

<210> 7842
<211> 205
<212> DNA
<213> Glycine max

<400> 7842

cttctaatat tcctaggatc aatctgatgt tgcgacttgg aatcttgaag tattgtcttg 60
aattttaatc ttgaaaagcc catttgcac aattgcaaca catcatcatg atcatcatca 120
aaacatcaaa gccattgca tctacacatg tgttctccac ctctgagatt ggagctatgt 180

ctcacgattg cctaagtgcg gaccc

205

<210> 7843
<211> 403
<212> DNA
<213> Glycine max

<400> 7843

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cactggtaat cgattaccaa aacattgtaa tcgattacag ccttttgaaa atatttgga 120
tgttgtaaat tcagtttgaa aacatttcca aacttatttc gctactggta atcgattaca 180
acaatatggg aatcgattac cagagagtaa aaactctggg aaatgttttg tcaaaaactc 240
atgtgctatt caaagttttg aaaaactttt taagacttat cttgattgag tcttttcttc 300
attcttgaat cttgagtctt gaatcttgat cttgattctt gagatcttga atcttgattc 360
ttggttgtag gctttcttca tgagtcttga attcttctta ttc 403

<210> 7844
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7844

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ttatctattc acaccctctt attaactaaa ttaacctctt taaaaataat tacggatgaa 120
aataacgcag caaataatca aacatcaaac ataattacta ataatatata tatatatata 180
tatcagggtg ttacaccacc tatttttaggg acttggtgcc taataatacc tattttgggc 240
accaacaaag cacaaggatt taagctcttg cgaaacanac cctcatccaa caacttcttt 300
acttgaggaa taaaatcaag cccaagaggc gtgacaatgc tagcaagtgt ctttttacia 360
aagagaaaat gtggagggtg tctaag 386

<210> 7845
<211> 299
<212> DNA
<213> Glycine max

<400> 7845

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 tgttacgcgt gtacgataca atcgtgacat aatcgacaac acataacgac atgcatgcgt 120
 attaaagttt gagcacgaca ccacattgac tgacttgact acacattcgt taggaatcat 180
 atacacgaaa catgttcacg cgtgtctatc ttgttgata aaagtgaggc atcttctgtg 240
 agaccatggt gtatctgaga ccgactaata gtccacatat cttgcttcac atagtctcc 299

<210> 7846
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7846

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 gccgctacca gcactgttgc taagggtgaac ccgatgcccc catctggcct caaccaaattg 120
 aatcatccaa ccttagctat ggtaggcaaa agattgggaa gtatgaatgg ccccatgatg 180
 tgcaaattca aaacgagcac gccttccgc catatggctt gcctcccaac ttacaccagc 240
 caatgtggcg tacacttcca atgagaatgc aataactcca ctctatact tatngagagc 300
 caacaacctc aatctgatca tgcacatgtc 330

<210> 7847
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 7847

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 agatgaaaat atcaaacaat aatattacac aacctaaaag tcataaccta tgtttacact 120
 gaattcaaatt agactcttga gtgttagggt cagacatata ataaacagag aaaatttcta 180
 cgccaaaacg acgatatata aaaactattc atatctcttc acttactaac aataacattt 240
 ttccgaggtt gcaatttgtt cctataaaaa atggactcaa accctaccta agttttgcct 300
 tcatcaaaga catattgtag gtaatttaca tagcagggga ttctattcac tgcttctaag 360
 gatggggtgg tctaatatga agcaatcaag aaa 393

<210> 7848
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7848

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 aatttgagtc acgctgacgg gcggaataac ccgagtgggt atccgtataa acattctttt 120
 ttgctgtctg taagacgaaa agcctgatag caagcagaga ctaacgtcgt tttctgcgcc 180
 ctctgtcaat cgcggccgac aagtcctgtt gacacgcgga gatttacgtc atcttccgcg 240
 cacacaagat ctgtcact gacatttgag tcacgttgac gggcggaat acccaagtgg 300
 ttatcgcata aactttcttt ttgctgtctg aagacaaaag cctgatagca cgcagagact 360
 aacgcgtctt ctgtgccttc gcaatcgcgg ccgacagccc attgacaccg gagatta 417

<210> 7849
 <211> 229
 <212> DNA
 <213> Glycine max

<400> 7849

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 atcctaattg gcacagacca tgcaatattg gccgcgagaa tctttggaac aacgttaaat 120
 ttaaattaac tatccgaaca atgaattcat ccatatgata gaaaatgacc ccaaaagaat 180
 ggtcacatac aaactgatgg cgtttatctt aaatggacat accactatg 229

<210> 7850
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7850

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 taatgcatca ccaattgaaa aatttgaatc actaaaactc caagcaagaa tcttagcact 120
 gtctattatc ctccctgttg aataattatt tgatatcagt agtgatgttt ttgttcttca 180

actgggtggt gacatcagcc acaaacagtt cacttttctt gggttcctgat gctgtagtag 240
tcttcgtatt gtgaaatttg aaattaatat tgttgcaaag gcagaacaat ggaaatttca 300
aaatatgaaa gtgcgaactc acatgtggaa atctatcaat gaattttgct gcattagcaa 360
cttcagtggc agctctgatt tcttcatttg ttgccccatc cttaccatag gcaatgtttt 420
ctttgatgct gcaactgaag agtattgggt cctgact 457

<210> 7851
<211> 272
<212> DNA
<213> Glycine max

<400> 7851
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cataatgcat aaacctagta aaattaccca tcatatctcc caaaaccag taccacgaa 120
aatttatgtg agaagaagtc tacccaaacc tgaaatttga agtcccacaa tgtagaggtg 180
cgcttcacga ctccaaaaat ggcttccttt cgcgatttgg agcagaaatg gtgagcaaag 240
gttggagctt tgatggagct tcaatgggtg ag 272

<210> 7852
<211> 338
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7852

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ggttatcaag acgctcggaa ttgaaaacgg aagctcttag aaaaatcaaa cgacaataat 120
ttttaactcg gatgtgcgat tgagtcccat aatatatcga gacgctcata attgaaaact 180
aaagctctga gcaaattcaa acgacaataa cttttgactc gaatgtccga ttgtgtccta 240
taggatatcg agacgctcgt aattgagaac ggaagctctg agaaaaatca aacgacaata 300
actcttaact tggatgttcg atggagccct gtaatata 338

<210> 7853
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 7853

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caaggttcaa tcatacaagg gataaatcaa tcatgcagaa ggtaagcttt ttcgctaaat 180
ggctatcttc aatcaaaaca cggccttcat cctcttcaaa ctcatgtatt cattccatac 240
tcatagattc atgcagaaac cattacttac tgctagtcgt tctctcgcaa ttaaagatca 300
cactccaccg ggttgcggt aatgcattcc ttcacaatca acctgacaaa ccaactaaca 360
ttntcagtca taatccaaat tccatattct ttctcttcta ataactgcat gctcattcaa 420
ggcttatgat ctgcgcattt cagttcactc aca 453
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<210> 7854
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7854

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aattccaatc attcatgctt aatatgatgc atgcacctga cctcaactct catatgcaat 120
gtggtagcat ccccaaggaa gtagcctaag cgtgtccaca tgacactctc acttaggaaa 180
actaggaagt aagtgtcgag gtcaccctat cgtggacagg aaactctccc ccccatggtg 240
tgatcagcct gagtctcaag ggagttccaa accgagtgat atgcccccta gtacaagtat 300
tcctcctcac aagaaactat aattacttac taacaaagtt tatactatct ccatgtcata 360
tgaagtatga aacacgggca ccatcaaag cactaaacgt ggataat 407
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<210> 7855
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 7855

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agcttgaaca atagttgtta actcaactta tagaacttg ctaacccta gattattaga 60
aaaaccctaa tccagttccc ttggatcatct ctaagaacac caccaccagt tgctaaatgg 120
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ccatcattct tcaactgaacc atctacacta aatttgcaaa aaccttcatg tgggtctttaa 180
 aaaacctaatt attctactct ttaagattaa aaaagatcag ctcttgaaat ctacatcaat 240
 atgatccata ttgcaaacct tgattgtatt ccaaacctct gtagcaaaaa aaaaatctct 300
 aaaaagatgc acatttggtt cctgttgatt accataaata gcacaaacat cattatttga 360
 aaagccataa tcatatctgt tgatgttagt ctttaaacct ccattaataa gagaccaaaa 420
 gaacata 427

<210> 7856
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 7856

agcttgccac ccagctcgcc caggcgagct atgttggttc ctccagaagc aaccgccttc 60
 tggaggaatt ttctggaagg cccaagtggg tctggttgct atttgcaccc ccattttttac 120
 taaatacacc cccttgctct attttggtga ttctttttcc ataacgttac gaaactttac 180
 gaattttgta acgatacttg ttttctttcc gtaatgttac gaaaccttat ggattacgta 240
 atcatcccct tttttgcctt ccagaacgtt acagaacttt acggattgcg cactaacact 300
 tccttttaat ttctggcaag tcacggaact tcacggattg tgctacaatg ctttcttttg 360
 acttccggca tatcacaaaa cttcaagaat tgcctaacga tgggtgccaa gtacctcgaa 420
 gtggcaaacg agggtcgcat ctacaacgga t 451

<210> 7857
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7857

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 tctcgttntg tttacttttt atacccttg ttgacatgct taagccattt tgcttaagtc 120
 atttctcgct taacttaaaa ataaaataaa tttccaccga acgtttgaat tatattatcc 180
 gttaacttcg gttaaaatca attccgaccg ttcggtcatg ccgtaaccac gttggaaatc 240

aaaaagaggt aaaaaataat ataataatca aaaaatatct ttttagtgaa ataaagcgga 300
 aaatcaatcg gacgttttct ctttgggatt tctcattctt aatcgaattg attaataact 360
 aaagtgaac taaggctaaa atcaactcgc ctagtcaagc tcgtccacaa aaa 413

<210> 7858
 <211> 441
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7858

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 catatctcca ggtaccactc tgtggtcaac aaacaaaagt aggaagactg actcttccac 120
 gctttctcac atcaagcttg ttggattatg gggtagccgt catatgtggt actaggtggt 180
 gatcggggcga tgggtgcaat caactctccc acatccacaa atcaaactg aaccaccat 240
 cccaattgc ccaccttcag ctgagctcac gtactccgac gtagccctta tcctcgttcc 300
 tcttagcact gggcccccat caaccctcc aagcttccac aatatccaag caattcaatt 360
 tccaaacatc atgaactacc ctaaactatg aaaacagagt aaaggtagaa aaatctgccc 420
 aaaacacatt cacatcttac a 441

<210> 7859
 <211> 423
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7859

agctntcaac cggtcttcga cgctcttcat tcgtttttca tcgttcttcg atcttcaacg 60
 ggtaagtacc tcgaaccaag cttttcgatt cattctatgc acccgtagtg gtccacattg 120
 tgttcggtgc atttttattc tcgttttggt tactttttat acccctggt gacgtgctta 180
 agccatttta cttaagtcac ttctcgctta acttaaaaat aaaataagtt tccaccgaac 240
 atttgaattg cattatccgt taacttcggt taaaatcaat tccgaccgtt cggtcgtgcc 300
 gtaaccacgt tggaaatcaa aaagaggtag aaaataatat aataatcaaa aagacatctt 360
 ttagtgaaat aaagcggaat atcaatcgga ccgtttctct ttgggatttc tcattcttaa 420

tcg

423

<210> 7860
<211> 457
<212> DNA
<213> Glycine max

<400> 7860

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tgtcttcttc taaatcccca tgcaagaatg cagttttaac atctagctgc tccaagtaaa 120
gattctctgc agcaacaata ctcaaataa ctctgatggg agtcatcttt acaactggaa 180
aggagtctct gtgatatcaa ttccctgttt ctactgaaac cctttcacca caagtctcgc 240
cttgtatctt cttctaccgt cagattcttc ctttagccta cagaccacc tattttgtaa 300
cgctttcttt ccttctggca atttagttaa agaccacgtc ttattcttct gaagggatgt 360
catcttatct ttcacgcta gttccactc aatagtgtca ttccctgca tagcctcact 420
gaaacattct ggctcaccaa catcagttaa caacaaa 457

<210> 7861
<211> 195
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7861

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attcacttaa ttcactcaag tttctttcat ccagtaagac tgataccatt gcanaaactt 120
gatcgttatg tctcaaatta ttctcttggt attcaacaac ttaacacgaa catcttcaag 180
ctttatatag acttc 195

<210> 7862
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7862

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taaaaattta ttgtcgtttg aattggctca cacgctcaac attcaatttt gagcgtctca 120
 atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaataggctc 180
 agagcttttaa cattcaattt cgagcgtctc gatatattac gggactcaat cagacatccg 240
 agtaaaaaga tattgtcttt tgaattggct cagaggttca acattcaatt tcgagcgtct 300
 cgatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattggc 360
 t 361

<210> 7863
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7863

agcttattac tagcattgta tgtagcactt aaatgtttct tatctctaatt ttcagntctt 60
 gaagtacttc gctagttaac ctgacttttc ctaattgaac agaattgaaa ttgctatcct 120
 catatgtttg ttaatcacac atcatctgtg aatttgtgac aggttcatac ataacaactc 180
 atttagcagg gaaataccag ccggattaat atctaaaaaa atcatttata agtaagtatg 240
 cttagcaatg gaacaatttt cttacatatt ggtaattata tgcaattaat tgctttaaat 300
 gctcatcgat ttgactagga aatggaatca gtttgaacat aatagaacaa ggatattttc 360
 aactagtctt gtaccaagat ttaagtaaca tccatattta atttctgctc tagctaggat 420
 ggtattcttg aactatacag aggaaacaag aagca 455

<210> 7864
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 7864

agcttccagc aaggtcctta taatcagcaa ggtcttttgaa ggaaacaccc cgacaaccag 60
 ttcaataaag accagggtgg atcctcaaac aagccaattc aacaagggcc taacatcttt 120
 cagaggacga ctaagttgga agagaccttg actcagttta tgcaggtaat gatgtcagat 180
 cataatagta ttgagtcaac actaaaaaac cttgaggttc aggtgggaca actggccaag 240
 cagatagttg acaagtcatt caacagtttt ggagcaaata caggcaataa tcctaaggag 300

gaatgcaagg ctatgatgac taggagtaaa aagtttgtgg aagctgagga tgaagagagt 360
 gtggtgtaca aggagcaa at ggggtgaaaag ataggtgctg aggttaagga aaatgatgtg 420
 aagggtaaag agaatac 436

<210> 7865
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7865

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 ggtgatntc caccatggag atgcagcggg agacaaagga gaagagggga gaggaggcgc 120
 catccactac ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180
 agaagcttgg agaggatgct tcaatggagg gaaagaaaga gggagagaaa gagagagggg 240
 ggagcatgaa attgaaggaa taaaagaggg agagaagtgg aactttgaag tatgtctcac 300
 aagactctca ttcacaaag ttacaacaag tgttacacat gcttctatat atagactagg 360
 tagcttcctt gagaagcttt cttgagaaaa ctcccttgag aagcttcttt gagaaaactt 420
 ccttgagaag ctagagctta gctacacaca cccc 454

<210> 7866
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7866

ntgaattcga tgcnatctag taccgcgat ccttagagtc acctgaggca tgcaagcttg 60
 agctataaga atacgacaag gatatgttat ttatcctcgt cactggcgc atctccaaac 120
 catgtccctt gagcgtgcac accctgtatt ggtagataag ccattcatga tcatgagggg 180
 cgtctccatc cataattgga aagctgacac caagctctct agatgaaaga ctggcacaat 240
 catgcaatac tattagcagc tgcagcgtgt cttatgtgtg ctattgccat gtaggagagg 300
 acatatcgat ttatatgtta tattaagggtt tacgcattga aaaatgagag taactcttag 360
 aagcgaacat agcgtcgaaa atgcttcacg gcgaaggatc atgtgacgag gttcacaaca 420

ctatacattc ctactaatca tgcccttcaa cgagtntgat cttaatagat aacaacacac 480
tatgacttat gcgttg 496

<210> 7867
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7867

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ctttgaataa gctatattat cttacacaag atggagttag tgaataaatc aacattagct 120
tacaaaagta aatggtatct ttagtgaata atatatttac ttgcacaaag tgatttccat 180
tgacaaatct aattgcaata agatgagtga gatgcaactg gtgtgagact cctaagtgga 240
aagatccaac ttggcagcct agataagtgg accgatacaa cattatatca accagtaata 300
acataacca tgctcggaat gatcatctac ttcacagtag gcattggggc ggccacattc 360
aacatacaaa gaagttatta atgtcaacaa tcgttcttct aagccaaata attgaacata 420
cggagagtat ca 432

<210> 7868
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7868

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aagacttgtg ggtagctgca caacatcatg aatctttgct tcgtcagaag tcgagagcaa 120
gatgggtcaa ggagggagat tctaattccc attattttca tttgctagta aatgcaagaa 180
gaagagataa ttctctgcaa ggtttatgga ttgatggagc ttggggtgaa gatccgcaa 240
gggtcaagga gacaggaaga caatttttca tctgcagatt ccaaaaagtg gttcacaata 300
gaccctcct agatggngta gaatntcagt cattagatca gtaccacaat aacttgctga 360
gtgggagatt tacggaggaa gag 383

<210> 7869
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7869

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 tcaaccataa agggcattca attttaccta tatatgctg tgtttgtgat tgaattattg 120
 aagggtaacg ggtaacattt tttaacccat ttgattacca aaggcaacat agccttgatg 180
 ggtaaacaga ataataaagg cacactcatc atacaaattc catttaaaat atgtgtcaat 240
 gatagcttgt caacatttaa ttaggctgga ccaacaactt tatttgtttg aggatattgg 300
 aagggaagag gaaccttaca tccacatttg gtgtagagag agctcagacc atggccaatg 360
 cgggaccaga ttggtgggtg cattatagcc tgtgaaagaa tcctat 406

<210> 7870
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7870

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 gttccgagta cattggactt ggtacgacca tgccctcctg atttccagct gggaaattgg 120
 cgagtggagg aacgccccgg catttacaca acgagcataa tgtaaacctt tacaatttta 180
 aaagctctat agttgggcct aggcctttaga gtttttcctt ttgttaaggc tttgtgtcct 240
 ttgtttttga atttataata caaggatctt tcttcatctg ttcttacgtc tctaccatt 300
 ctcatctatt tgcattgtta cttctttttc tgaaacggca gatccgatga tgagtccnc 360
 gaaggtacta atacctggga cccgcctatc aacttcgagc aagaaatgag tcaaacggaa 420
 gatg 424

<210> 7871
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 7871

atcctctcag tcacctgcgg catgcaagct tggttcgagg tacttaccg ttgaagatcg 60
atgaactatg aagaacgaat gaagaacgtc gaagaacggt tgaaaccttt gcgagattcc 120
tcacggaaaa cgttacggaa acgtttcgga agcgctcgg cttagattnt cttcacggaa 180
acaatTTTTT caagcaaatt cgaaagagag agaagtgcct aaggggctgg acccctttct 240
tcttcacttc ctccctatt tatagcaaaa taggggaggt ggttgccgcc cagctcgccc 300
aggcgagctc agctcgcca ggcgagcagg gtt 333

<210> 7872

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7872

agcttggtta ttatttatcc tctttgcagg atctctctat ctgtgtaact agacatctaa 60
atggctgcga tcaacatatg ataaccta gaagattagg ccctccgta cagtggaaatg 120
ttatcgtttc ttgatattgg aattggagaa aaatatgttg tgcaacccta gtataaatc 180
cttaaagaaa gtgatttttc tcatggtgat gaaatctcat tctactacag gtgtcatgaa 240
taaatttgga aaagtattat tagaagtcaa aaggattggg acgacactga tagtgactaa 300
attaagctta gggtgtttgt tttgtttatt aacattatca tggatcaatga gtaatcttgc 360
tcttttcttc tatgcaaaca atctaattat tattaatggt acatatattt ntatttctgt 420
actatctttc attctaatac t 441

<210> 7873

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7873

agatgatgac accaagctcg aaagtcaaga tcacttcatg ataacaaaga tgatgacatt 60
ccagaatgaa ttcaagaatg agttcacgat tgagtcaaga acacttcaag gatcaagagg 120
aaagaatcaa gaatcaagat ttaagattca agaataatca agatcaagat tcaagactca 180

catattcaag aatcaagaga agacttaatc aagataagta ttaaaaagtt tttcaaacca 240
 ttgagtagca caagaagttc tcacaaaatc attaccaaag agttttactc tctgataatc 300
 gattaccaga ttatagtaat cgattaccag tgggttttaa atgttaagaa tntcaaaatt 360
 caaaatgaag agtcacatct gttgagtgac tactttcgaa caattca 407

<210> 7874
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 7874

gcttcctacg tgttaagcta taaatagaaa catgtgtaac acttgtcata actttgatga 60
 atgagaaact tgtgagacac acttcaaagt tcaacttctc tccctcttct ctttcaattt 120
 ccgtgcccc ctcttctctc tctcattctc ttctccatt gaggttctct ctctaagctt 180
 cttatccaaa gcattctctt ggtggtgaag cttctccttc catggcttat tctctagtgg 240
 atggcgctc ctctcacctc ttctccttta tcttccgctg caactccatg gctaaaaaat 300
 caccattgaa ggaccttata gaagctcaa gatccagcct ccatagaaac ttctcaagca 360
 agcttccatc ataaggcttc ttcttaaacy ataggagtaa catgatgagt gaagacgaat 420
 cttgagtaag gaaaatgcac cataaaagag aagtacaat 459

<210> 7875
 <211> 569
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7875

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 acnnnnancc aaccgnncaa cagcgcggtt tgaaatcgag gccatngcag gaccgcgacn 120
 cnaanagcga ccggcagcan gcnagcnaca cagagacag acccagacta taccattatt 180
 agacagcaaa caaacagagg cgaagcggga acgcaaacac aaccagagaa cacagccggg 240
 ccctcgcaaa caaagaggag caacgcctc tatggaacca accacagggc acaaccgtga 300
 ctaacacca caccaaagac aaaaaaagc cacacgaaca agcccccattg aaggaaacca 360
 caccacccaa gcaagaaaaa aggccgccag gaaacgacag aaaccaccgc cagcgcgcca 420

agacaatgga gcgaaagaca accaaaaaac acccaacagg cgaccagaat gaacaacaca 480
acgacgcgac cagaggcgga accaaaaaga acccaccaca aagaaaaaac gaagaaccgc 540
caaaacacaa aaacacgcga agaggaacg 569

<210> 7876
<211> 444
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7876

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taaataggcg acccgaccta ctttcaccct taatgataat agataattta taagtgtgat 120
tcttgaaaca ttctagaaaa acatttgtga ttttatcaat ttccttattt taaacaaatc 180
tttttatata taaaagttag ggaattatta ttattattat tttaaggcta agttacaatt 240
ttattttttt tagttntatt tgggattttt atcttctttt tcttccttgc gattttaata 300
cccaaaattt aaaaaataat cattttgatt taatcttcaa ccttgtatac atttattttt 360
atttatttnt taactttaca ttataaaatt atttgtaatt gttgaaatat tattttctac 420
cttaccataa tattgacata tcat 444

<210> 7877
<211> 426
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7877

agctntcgga tcaaaccggt gnttgctctt ttgtgacaat gctcttcaaa ccgctttaca 60
tgacaaaaga acgcataaac gttaaataa tgaacaaata acaagcattt tcattgatca 120
cggttcacta tctacagcca ttgactcttg aatatcagag ttgaaaatac aaaacataca 180
catgaaaact cttaaaacca ccattacacc actgccacta aacacttgcc atagacagaa 240
tgaactgaga aaagagcatg ctgtctacat gtaccaaatac actgtcttca tttcataccc 300
ccaataaaaa agcgacatgt gagtaaagaa aatttccaac ttgaaagag ttttattctt 360
tataccacgt ttcactttca attgtagagc cattgaagga aggaacaagg gttgaaatgg 420

agatac

426

<210> 7878
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7878

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actcagcggg aagtaatgga ggaaatcgac attcccatte agataggccc ccacacttgc 120
aatgtggtgt ttcaagtaat ggatataaat cccgcctata gctgcctctt gggaagaccg 180
tggattcatg ccctgngagt ggtcccttca acgctccacc agaaattgaa gttcgcagtg 240
ggtggacttt tagtgatagt gtcgggtgaa gaggatatgt tagtgagctg cccctccttc 300
gcatcgtagc tagaagcggc ggaagaatca ttggaaacgg cntccaatc ctttgagggtg 360
gtgagttgcg cctctgtgga accaagtcgg tcgctacct 399

<210> 7879
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7879

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atgttaggtc ggctctaact gcaatggtat atcgaaaggg gctaaggata tcaagcttgg 120
ccaagcaaag tcacacgagt ggggagggtt ttaactacat ggctattgat gttcagaggg 180
taggggacta ctcttggtat cttcatgaca tgtggatgct tcctctgcag attgttcttg 240
cccttgcaat nttgtataag aatggttgaa ttgctgctat tgcaacactg attgctacaa 300
taatttccat cgtcgtcact gttcctattg ccagngtcca agaaaaatat caagacaaat 360
taatggctgc taacgatgaa aggatgaaga aaacatctga gt 402

<210> 7880
<211> 414
<212> DNA
<213> Glycine max

<400> 7880

agctagccac ccagctcgcc catgcgagct atgttgcttc ctctgaagc aaccgccttc 60
tggaggaatt ttctagaagg cccaagtggg tctgggtgct atttgcaccc ccatttttac 120
taaatactcc ccttgctctt tgttggtgat tctttttccg taacgttatg aaactttacg 180
aatttcgtaa cgatgattgt tttctttccg taatgtagca aaaccttacg gattacgtaa 240
tcatccccctt ttacacctcc ggagcggtac agaactctac ggattgcgca ctaacacttc 300
cttttaattt ctggcatgtc acagaacttc acgaattgtg ctaccatact ttcttttgac 360
tttcggcatg tcacagaact tcacgaactg tctagcgatg ggtgccaagt acct 414

<210> 7881

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7881

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gagaggcttt gaggggtggg gcatgcgata gtgatgatag tgaagcttta ctctttatgt 120
gaattagaga agacgggaag tgaagagtct acagcttatg agttaacatt aatctggact 180
atgctaagac acacttgagt gtattatttn tggctaggct caataagaag cacttcaaac 240
acatatactt ggtcagggtt aggtaccgac gatgtaaaaa tgtcattatg aaccgccta 300
ataatacatg tgtcaaccg cttttatgac tcctatatca tggatatccc acccagatta 360
cacttttctc tctcgattgt tatcagtttg ggttgactg agttcactcg aacaccct 418

<210> 7882

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7882

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atactanttt catgtttggc gctgcatctc aagttcagac ttgcgtaaaa gtggaagcaa 120
ctacgagtag cttccacgtt ttttgtgata gtataacgag atttgagcat taaatgcata 180

tacttgaagt ggctccatgc tatgactctt aattcaaaat taagttatTTt ttaatgtttt 240
ctatTTttctt tgtcatgaat agaaatatgt tgatttgaaa aaggagtTga gcacaacaga 300
tagacatatt ttgatagaaa cgggattcat tCGTcaatgg tgaacatcct cataagttca 360
tattaaatta ccttgctacc ctCGaaacac ctacagaatt ga 402

<210> 7883
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7883

gccgatttgc cttttgatcg tgataaaacc actttgtaag agcttcgaga aatttataat 60
gtaagatgtt gtttgTTTTg ggacactcac ggtgaataag gggatctaga atccatgaat 120
tccgacaacg gtattaagtc ttaagagtta aagggggagg cattttcata aatgactata 180
tcactacgtt aaaataaaaa tatagctgaa ctagctgggg accaatttaa ggtgttaatt 240
atgtgatgca gaataataaa cacaagtaca gctgtacacc gctaaaaaat accattccaa 300
ctacaaacaa actctatgtg gctatctgtc atcatgaacc acttcagtac ttcatgttta 360
atcataaatt cgtactatct ttgttTgtgat cgattattaa gctgaaaaat aaaacgtctg 420
cctaattcct ctacgcagat tgaaaggcn 449

<210> 7884
<211> 459
<212> DNA
<213> Glycine max

<400> 7884

agcttatgct gcaaacactt ataatagacc cctcaacag cttaaccaac aacagaagaa 60
taattatgat ctttcaagca acaaatacaa tccaggTtgg aggaatcatc taaatctgag 120
atgggcaagt cctccacaac aacaacagac tatccctcct ttccagaatg ttgctggTcc 180
aagcaagcca tatgttcctc ctccaatgca gcagcaacaa caacaacaac aacaaagaca 240
acaagcaact aaggccctt ctcaacctc cttagagaag ttagtgagga aatgactat 300
ccagaatatg caatttcagc gagacaagag cctccattca gagtctaaca aatcagatgg 360

ggcagatggc tacttagttg aaccaagctc aatccccaaa ttctgacaaa tttccttcac 420
 aaactgtgca gaatccacaa aatgtgagtg tcatcatct 459

<210> 7885
 <211> 122
 <212> DNA
 <213> Glycine max

<400> 7885

gcttcaccgg atgatgccga tcgaacattt tctaattgtac ttcttccaat ggatattcag 60
 ggattgaaca gaataaaciaa tggccagtgt cggtcgatat atggccccga ctgatattctt 120
 tc 122

<210> 7886
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7886

agcttagcat tntccaattg ccatgatgta atcttcttct tgacagtctc tcatcaagtt 60
 ggagtggat cacagcattg aactaagttg atcgttccaa tggttttgat tgctgcagat 120
 aaagtgtgtg attgtgagtt tctgggtccca tgagtaacag aggtgaggta gtttgtgcct 180
 tcatggttgg gatgatgttg cacgtgccgg tttgtgttg agagaaaaga tgatcatcca 240
 cgtctcgtgt gtgcatagga gagtgtcttt gccctctcca caacattagt ttcaacaact 300
 gacgttagtc gaaactggat ggtgagaatc aaaagagtaa aaaataaatt caactgagac 360
 taaagtagaa tgattttatac tataaagact aaaaaaaaa 398

<210> 7887
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7887

agctntacat ctaaagcgaa cacacaattg acatgctcct gagattcact agtcgatctc 60
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gcccagtgagg accggtcaat tgtgtgtttt ggttttaaat tattattaaa gttttgttta 180
 gtgcagttgg tttattgcat tcttaattgt tttgatcttg tatgcattta agaagtggga 240
 aatctgttcc aacttaact gaattcaaaa ctctgacaag gatggctaga ccacccccaa 300
 gtaatcgaaa caatgacctt ccaaatatgg aggggcaacc aacgcagaca tctgtcagta 360
 atgccaatat aaattctggc ataagagcaa ttcctgacca aactgttggc acgataagtt 420
 cg 422

<210> 7888
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7888

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 cagcattgat gaaggcctaa atcacgctgc ctggctatctt ggcaactcaac ctgcaccacc 120
 cttaacgtct tggcctatcc gccactgacc tccccatgat gcctgacgaa tcccatagtc 180
 caacatctga atgccacaac taggcatagc aatgaaaccc gtactcgtgg atatccgccc 240
 aaatccatcc cgattntgat ggagaatacc tgagttgatt aggtacgggt ttgagttcga 300
 ggattaccgg acttatttaa tcgggtgtcga gttcgggggac aaggatgtca ttaccattc 360
 catactncat tccgtaccca cccattgat gaaaattatt aaattctatt aattact 417

<210> 7889
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 7889

agcttattgt gcataccata tcttacaggg tatttttttta ccttatgtag tgatgtcgga 60
 tattattttt tgaacatcgc actttctttt ctacctgttt aattagctgt taatagaatg 120
 ctttatttcc ttgggctgct attatctttg agcactgcct cctgttatta tatcgcttga 180
 cagttgactc tctcattatt tgtttgctat atagcttgaa ggagcccaaa cggctcaatc 240
 tcgggacttg tttgcgatat catgctttca tatggatctt cttagtgaag ctgaagatgc 300
 attatgtcat gccgatgagc ccggtgcaga ggtataaaac a 341

<210> 7890
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7890

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 aagggcttca attgtatgct tagtgccaac tgttgcgata acgaacattg gcagccaaca 120
 atgagtgcct gtcttccatt tggaccaaaa atgattatct tcttgctgga cttaatatta 180
 ataccacccg ttcgcatttn tgaatctggg atgatgttta gcttaacctt tatagataga 240
 acaaacttgg agccatatga catgtgatat ttgttcttgc acaattatca taatgcatc 299

<210> 7891
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7891

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 ttccttggca ccctttatca tgttcaattt gttggtaagt ttaggtcttt taatccaaaa 120
 aaggaaactt ggttaccatg tgagagtaat ttggataaat gaaaattggt ttgggttgta 180
 tatgcatgag tatttcgatg cttgtttgca ataatgtaat atacaaaagt acctaccaca 240
 tagagagtgc ctacgcaatt tggaatcaag aagtttcaga ttgtgtgatt gcattctcta 300
 gcaccaaagc tattgcattg aaaaattact gcatacccaa aattacttta taaagttgca 360
 accaatatta cttggcaaaa aagtagtcta aagctactct gtcacatgac acctcatgta 420
 tg 422

<210> 7892
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 7892

agctagtaga atggctagac atgatacatg tcattgcttg gtttgggttca aggataaaat 60

ggatgccccca cattatttcc atgacacaaa tgcaaaaaat gatgatttgg aaattttatg 120
 caaaactgggt catgcatgcg cctatgcgga cgctcaagtg tcaaattttt atgggtcatgt 180
 ttatgtttct gtttagtgcg gcgcgaaaaa gtcgctagcg cacgggattt tggttggtaa 240
 tcaaaggagg aagaccatta taggtgcggg aatactttcc ttctgtctgt tcattaggtg 300
 acaattctgt attgctcaga tattgtgcgg tccaaagacc tttctgcaca tcttttctgt 360
 tttctgcga tccctgatca ggagctttct t 391

<210> 7893
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 7893

ctgcaagctt gagcaaattc aaacgacaat aaccttttac tcggatgtct gattgagtcc 60
 tgtaatatat cgagacgctc gaaattgaat ggtgaagctc tgagcaaatt cacacgacaa 120
 taaattctta ctcggaatgtc tgattttgtc ccgtaatata acgagacgct cgaagttgaa 180
 tgctgaagct ctgagccaat tcaaacgacc ataaccattc tattcggatg tttgaatgag 240
 tcccgttaata tatcgacacg ctcgaaattg aatgtgtaag ctctgagcca agtcaaacga 300
 cgataacggt ctactcggat gtctgattga gtcccggcac atatcgagac gctcgaaatt 360
 ga 362

<210> 7894
 <211> 166
 <212> DNA
 <213> Glycine max

<400> 7894

atgtttattc tctaagggtt ggaagaactt acttcttctt gaaacaaaag aaagaaggat 60
 tcacagctta agctaactgg ataccccaat tgataatata attactagct cctagaaaca 120
 aagagaagggt ctttggggtga ttctataatc aattatcaca catgat 166

<210> 7895
 <211> 411
 <212> DNA
 <213> Glycine max

atgctgcttc tcttttagatt cacctgcata gaaattgtta gggaacttac tctttaaatc 360
 tttgtcatca tcttttttcta gagtaaagtg aggggtgggca ggttcatttg cggat 415

<210> 7898
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 7898

agcttcaaca ttcaatttcg aggggtctcga tatattacgg gactcaatcg gacatccgag 60
 taaacagcta ttgtcgtttg aatttgcctca tagcttccgt attcaatttc aagcgtctcg 120
 atatattaca ggactcaatc agacatccga gtaaaaagtc attgtcgcctt gaattagctc 180
 agagcaataa tattctatctt cgagctcgtc gatattattat gggactcaat cggacatccg 240
 agaaacaagt tattgtcctt tgtattagct cacagcttcc acattcaatt tccagggctc 300
 cgacatatta cgtgactcaa tcagacatcc gactaaaaag ttattgtcga ttgaatttgc 360
 tcatagcttc cgcattcaat ttgcgcgctc tcgtatatta cgagactcaa t 411

<210> 7899
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7899

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 ggcgcttaac gcatgctgcc gctaagccca actcgtgaaa gttcacttcc agaattggata 120
 tggggcttag ctangacaa tgcacttagc gctgctacaa aagatttttc cagagatgga 180
 gtggcgctta gcgcatcatc tctgctaagc cactgcttg aagtttactt ccagtgaaga 240
 tgttgggctt agcacagtga tgtgcgctta gctgaactat ntagccaact atccaggggt 300
 ctaagcgctt agcatgagca agctcaggct tagcgggtga agacatggca cttagcgaat 360
 ggacaactga aaaanaattc taagtctctt ctgtccatct cttcagctag ggcttaaaaa 420
 cccctttgt cactacntaa acagct 446

<210> 7900
 <211> 383

<212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7900

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agcttgtgca tccaataccc tgatgaggat gtcccatatg ttcttaaaac aggactgatt 60
catttgcttc caaagtttca tggccttgca ggtgaagacc cgcacaaaca tttgaaagaa 120
tttcacattg tctgctccac catgaaaccc ccagatgtcc aagaggatca catattttctg 180
aaggcttttc ctcatcatt agagggagt gcaaaggact ggttgtatta ccttgctcca 240
aggtccatca cgagctggga tgaccttaag agagtattct tagaaaaatt tttccctgct 300
tccaggacca cagccatcag gaaggatatt tcanagtatta gataactcag tggagagagc 360
ctgtatgagt actgggagag att 383
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<210> 7901
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7901

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agcttatgcg catgtttcct tactaacgtt cacttgcgga agacatccta ttaaccgaan 60
aatgcacca tatacaatca aggcagctgt gttacctaca ttatttacac gtattttcaa 120
ggtgtatttg ttacttacat cacacacatc cccttggtta aattcacata catgcatact 180
ccaagcattt tggggtaccc aaaaattgca catgtgcaca tcttggtatt tctaatacct 240
atacatacac aaacttcatt atgaatcttg actatctaca caacaaggag ctacatttca 300
tgcccttttt caagtttttg ctacctaaag ccgcatgcaa attcaagcat attctccttt 360
gctgactaan attgtattca aattatatat atatcttttg gaatatgtgg ttttttcata 420
caacattcaa catatgtata tatat 445
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<210> 7902
 <211> 554
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7902

tcgtactcta tacnaataac gccgctcatc tatctntgta ctttttnatc ttctttactc 60
cagnacacgc ccnttganc ttttgatcca ctgacccgg aactntaaan cgactgcggc 120
tgcaacctat aaacgaaatg cagtgtagat tttctggctc tataggggcg atttacttgg 180
caccctttat catgctcaat atggtaggaa gtttatgtct tttaatccaa aaaaagaaac 240
tcggttacga tgtgagagta atttggataa atgaancatg gttttgcttg tatatgcatg 300
aatatttcat gcttggtgag taatgtatat acaaagtacc tacacatgag agtgccatc 360
atttggataa agatgtttag attgtgtgat tgcattctct agcaccaaag ctattgcatt 420
gaaaaattac tgcatacaca caaatacttt acaaagtga accaatatta cttggctaaa 480
aagtagtcta aagctactct gtcagtatgg acctcatgta tgacaagcta atacaaatgg 540
tgatgatgct gacg 554

<210> 7903
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7903

gctggacatt tatcaatata tacagggagt ttattagaaa atagagttat ctttttatct 60
attgagagtg attctcctaa atcttgagtg attcaggaca ctctggctgt atcaaacgga 120
cttcacaacc tttgtgtggt gccctcactg gaaagagtga ttctttactt ctttcatct 180
tcacctntgt tctttcaaac cacaattcca gaanatccac ctcttcccag aattatctcg 240
tggccataac tcccatttta cgcactcaaa ttaagtgatt cttaagccta aattgaattt 300
caaaacg 307

<210> 7904
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7904

tagtggatgg gcctctctac ctttctcttt gttttcgtgc attcatggtg gaaataccat 60
taaggacctc attgaagctc acagatccag cctccgtaga agccccacaa gcaagtttcc 120

atcatgaact ntgaactata attctaaaat gatcaaagtt cacaaaatgc acacatatgg 180
cctctatttta tagcgtaagt gtcacacaaa attggaggaa aatttgaatt tctattcaaa 240
tttcacatga attagaaatt gaatttgtgg agccaaaatt tcactaatta tgattaatga 300
attntatnta tgggttcagcc cactaatcca agatcaagtc caagattctc caataagtgt 360
gcttaggtgt catgagacat gtaaactcatg aacgacatgc acacagtgtg actatatgat 420
gt 422

<210> 7905
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7905

tgcaagctta tttcatcaat taaccttaac tatactgttt tgacttattt cttaaagtgt 60
acacgtatat atactttacc aagtgtctata tgctattgtc gtcttattct acatgggtca 120
agctgcaggc acaacgacca aatgcaatgt aatcatatnn gtattttctc ttaaggggca 180
tggtattgga gtggataaga acttctatat attgtgcaaa tatagtaatg caatttaact 240
tgggttatta cgcgtgtact ttttgggtgt ttatcttcat ttctaccttc ttcattatta 300
taagaaaatc gttcttgaaa ttgagatcat aaaaagttca ttgntaaata ttntcatgtg 360
tttttaaaga tctatttaan aaatatcaca aaaagctaga attgattcta ataatttatt 420
ttaaatctat aattaccatt cat 443

<210> 7906
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7906

gagtcacctg tgcagttggt caagtttgtg aatgcaatac aacgtgaatg tttgtgatcc 60
atacaactgt gcactatntc tagaatgaga tcatttgtgc aatagagaaa gaatttcaaa 120
agtgaagtag atgtgacata agtattaaac ttctcaattc tttttcatgt tagtttaact 180
ttctttggga ctttatcatt ctttatctat gatgcagttt agcccatgtc agtctcagct 240

agtcgacgc cactattang ggattgactg tgtgaaaatg gatttaagta ttaaaattct 300
ccctgccacc aatgatgtac atggaggagt cattgtggac ttaaaggagc ctatggactc 360
taaagattnt gctactctgc ttagatcttc actttttacat ttggaagcac agggtaacat 420
tatgatct 428

<210> 7907
<211> 416
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7907

tttttatatg tttcctcgga atgtttttgc aaagggtttc atatgatgag gcaacaaaaa 60
ttgctttttc aaatggaaaa gtttctttcg gcatgaaaat agttttaga tactacaaag 120
tattttaaac cttgggggtga gttagactaa tatagataga ctatagtatn tgatgataga 180
ctgcaagtga aatgggtcatc catttatggt tctattaatg cactcacaat gtctttacat 240
gattagctga agaattttct atatgatttg ttcttctaga ctacgccttg tcaactgttat 300
atcctcaaag atatctttga tactctntca atccactttt taagacttga tgatcacttc 360
tttctcttta gaaggtaatg atgaggagga tcaccatgag cactggaatg gatcta 416

<210> 7908
<211> 492
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7908

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caactaacac ttgaaaatga atacctatga atactagatg ctttgaagaa atgagtaacg 120
aacctacacg ctatcattca aattctttat gtagaaaact ctttgtatat tcttataaag 180
tttgaaaagc tctcagaaca tcttgaatac tctaagacaa aaaactaaat gcttagattt 240
cacatttggt tgtaagatga ttaagattta atcagttagc aaatcaaaca acatatcttc 300
tgatttgat agaaccaaca gtggcttgggt aggacaaaga atattccgct gttaaagctt 360
gacgataaac tctgttgtga gagctaaaag taaccgtgac acatacttgt aacttttgtg 420

agattagtga aacttgattg taaccaaaaa ctgaacttag tctgaatggt agagacaaac 480
 caatataaat at 492

<210> 7909
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 7909

atattgaaag aagcccattt attgatgaag ttaggtcttt cctatgaaga tctcaatctt 60
 attatgttgc aaagacatca agaaggcctt actcaaata tctatcaaag gctacattga 120
 atagacaaca tcagaatgaa gcagtactag agtcaacatt agaatgatgt aattgaggac 180
 tctgagaatg tgatctcata atgatattct aaagatagac tagaatcaag atgataaaca 240
 tcaaatttac tgtattttca tatgcaattt gagacattta tttgatactt taatatactc 300
 taggctttat tttgaaccaa attcgttatg ttttcagttt ttaatata 348

<210> 7910
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7910

gcttcaatgg agganaagan agagggagag aaagagagag gcgggagctc ganattgaag 60
 gaagaaaaag ggagagaagt tgaactttga agtatgtctc acaagactct cattcatcaa 120
 agttacaaca agtgttacac atgcttctat ttatagacta ggtagcttcc ttgagaagct 180
 ttcttgagaa gcttctttga gaaaaattct ttgagaagct agagcttagc tacacacacc 240
 cctctaataa ctaagctcac ctcttgaga agattccttg agaagattct taaagaagct 300
 agagcttagc aacacatacc cctataata gctaagctca cccctatgcc aaaatacatg 360
 anaatataaa anaaaaaaaa attcatacta caaagactac tcaaaatgcc ctgaaataca 420
 agtctaaaac cctatactac tagaatggcc aaaatac 457

<210> 7911
 <211> 515
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7911

cggcccatgg taattttgan atcgatctcg gacnctggat cctctagagt gcacctgtgn 60
 gcacgttagc ttgtctantg gctatacatg atacacgtca cggttagga aggttcagtg 120
 ataaaacgga tgccccacat tatttccatg acacagatgc aaaaatgatg atctggaaac 180
 tttatgcaca actgagcatg catgcaccta tgtggacact caagagtaaa cttttatggt 240
 catgtgatta tcggctgagg atacatgtcc tctatgttag tcaacccaac gactccaaaa 300
 tatgctatct tatcaatgtg tgcattcatg cgagtacatg atgggcgagc gggaaaatat 360
 tcacagcgtt cacccttcag gtgtatacac attattgttt caagaatcgg ttatgatcag 420
 tgaatttggt gatagaaaag atgaagggtga ttttttataa aagcatgtag gatctcaagt 480
 taacaagtca tgtgagttta aactacgtgg ctctn 515

<210> 7912
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 7912

tggatgatga cgacgtctgt tatcatgagg cacacagaca cacactcaca cacgcacacg 60
 cacacgcttg gtactattcg atcgatgata tcaagttgca ttctctctct ttgtgctcga 120
 attcatgctg gtcgtaaaat taaggggagt acttatgtga gatcttgagt gaatgcctat 180
 atgtctcccc ctgaggcatc aacatatagc cgaagtgcgt aacatgtata agacaatcat 240
 gtgctattag tcattcacag ggcgatcatg ggagaatatg aacccatcat gaagcaggag 300
 acatgaatag atcaaataata tataacaacc acatatatga catacacatg aatagagaaa 360
 gagtctatca agatatctta accattcatg aatcgtagag agatagtact tcatagaatg 420
 acatgtaatc cagaaagtca ttcctaattg 449

<210> 7913
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7913

agcttgtcgg ccgcgattga cgaagggcgc agaatactga cgtagtctct gcgtgctatc 60
 agggcctttcg tcttacagat agcaaaaaaa agaatgtnta tatggataac cactcgggggt 120
 atttcgcccgc tcagcgtgac tcanaagtca gtatgacaga tcttgtgagg gcgcagaaga 180
 cgacgttagt ctctgcgtgc tatcaagctt ttcgtcttac agatagcaaa aaaagaatgt 240
 ttatatggat aaccactcag gtatttccgc ccgtcagtgt gactcanatg tcagtatgac 300
 agatcttgtg agcgcggaag atgacataaa tctnccgctg tc 342

<210> 7914
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7914

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 cgcacttctc tctctctcga aatagctgag gaaaattagt tccgtgaaga atatccaagc 120
 cgagacgctt ccgtaacgtt tccgtaacgt tccgtgagt aattacgcga agattctcga 180
 ccattcttca agattcatcg ttcgttcttc gttttgttca gtcttcaacg ggtaagtacc 240
 tcaaaccaag cttttcaatt cattctatgt acccgtgggtg gtccacattn tgtttcatgt 300
 attcttgttc ttgttttcat ttacttttta taccoccttt tgacgtgctt aagccatnta 360
 tttaagtcac ttctcgcta atctaacaat aaaataaatc tccaccgatc 410

<210> 7915
 <211> 311
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7915

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 cgccgtcgtc ataagagacg gcaaccttta atcaaatgtg caaatatgac ttcaatttat 120
 attcttttcc ctttttacgt tcttatgttt ttttatgcct ttttatgttt ttatcttttt 180
 gtggacgaca agggcgtttc cctttgctcc tacgtattcc tcgattttga tgagaaaatc 240
 agacctacgt agttcttnt gtgaacaaag cgtttgggtta aattattttt tatccttttt 300

tgcaagatat g

311

<210> 7916
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7916

ggggcgagan atagaaattg tctaagctag atntccataa gtgcaagaat tacattgtgc 60
attgagtcgc aaggtaattt gtctctatgt gagtggactc tatgcaaggt tcaactctgag 120
tacatatatc tgatgggagg ttagcacact aacttangaa gttaacatgc taatctagaa 180
ttaatattag gataagattt accaacttta tcaaaaatag tttttatcat ttttgcttaa 240
gtctacttta atcatttctg gttaaattt caaaaggaaa aaatacccggt atatggcaga 300
atttggcacg tccatcatgt aacatcccat ttttctgtaa ataattttaa aatgattgtt 360
atttgtaaac aaacagagtt ttagaanaat gatgaagttt ttataattaa ataaataagg 420
agaaataact ctattaatta aaataatagt tctggagAAC ataaaaaggg tattttta 477

<210> 7917
<211> 325
<212> DNA
<213> Glycine max

<400> 7917

atatatgcat gctcatagga taatgataat cgtttACAAA catgtaacac tcgaaaattt 60
acacctataa atactagatg ctttgaagaa atgagtaacg aacctacacg ctgtcatgca 120
aattctttat gtagaaaact ctatgtatat tcttataaag tttgaacagc tctcaaaaca 180
tcttgaatac tctagagaca aaaaactaaa tgcttacatt tcacatttgt ttgtaagatg 240
atcaagattt aatcacctat cacatcaaac aacatatctt ctgatttgta tagaaccaac 300
tgtggcttgt gaagacaaag aatat 325

<210> 7918
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 7918

agcttcatcc tcagatccct cttgttggac tgggctcaat atagacaacc ctcttaggtg 60
 tagactaact taaactaagg ttcaccccta gatccctnct ggtggactag acttagetta 120
 natagattat gagagttcgg cctaattagc ctaagctatg ttctcagatc cctctcggtg 180
 gactagactt agaccagaca gcattatagt aatagcatac ttaaaaccan aacttaatcc 240
 acagattcct cttgtaagac taagtttcaa ttctgctgca ttcaagatat acggcaacaa 300
 tacatttccc aatgttaa at cacctaacta tgcaagcaaa t 341

<210> 7919
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7919

tccatcaagt ggtaatcaga gcacaagagc ttcaagtagg tgctccttan acctncatta 60
 attntttttc ttaccttct cttccattgn tgnntcttca tttttctcca tgtatctcct 120
 cacatgtctt gttctaaatg ttgttaacat gattgttttag agtttccacc gattaaactt 180
 gctatagaag ctagatttga ttntctatga ttcaaatttc ttgttcttgt tcttgaacca 240
 tgaattgtgt tgagtttacg ttcccttgag ttctttcttg ttattttttg tggctgaaac 300
 ctaaaccata aaattcttac aaaaatatta aagtagaaga aaacctcaaa aatctagagt 360
 gacttgttca cctattgtag ttntgtcata gaagtcatgt ctagtcatga aacttgtcac 420
 ataagatttc tta 433

<210> 7920
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7920

agcttattac ataaattatg ttaacatggg attggaatgt gattcccåaa ttcttgagac 60
 tttcagtatg aatatgttgt ggtaatgtat ataattcttg taagcttcat acatgggttaa 120
 tcttcttcaa tcaacccttt ttctactta cactctntta gctntacaca aatcaaattc 180

ttaattaaac aactacatca cacttgacag cctaatagaca aaaaagaata gcaatgagaa 240
aagggctaata cacatgttta atgataaaat gtgatcaaac ccaaggatgc ctcgaataat 300
cctttggtga caccceaaat cagcaaacaa tgatg 335

<210> 7921
<211> 465
<212> DNA
<213> Glycine max

<400> 7921

tgcaagtga atcgaattac ttgacttatg tacgcaacac atagaatagt ttacactaga 60
atcagaaggt gtggtcaaaa gagtattcta tatgaaatat atctcgatac acgtcctcga 120
actatagagt atcaacattg ctaagaacaa gaaatcacga acaaccatac tatctatgca 180
attaaggcaa aacaccatac tactaacata cccagaatta taaggttctt ataataagta 240
tacaacgtac atataagaag tcagaattta atagttaata gggatgtatt aaagaatcac 300
aaacttcaac tactacattc acgacacata atatagtgag ttaactagtc atgcgtttac 360
acatcaagaa agacatactc atccaagaca tatatatggt ttataaaggt ttcacaacat 420
taatccacac atgaagatag aaataagtta ttaacaacat acatg 465

<210> 7922
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7922

ngagatgagg aagtgttgaa gggtgaaact ttctgctttt attgttgacc acagagtggg 60
acctggagat atgtcgcggn ggtcaggaga ccttggggac gtcattgtggg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcgggtcag tgagaacctg 180
tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaca aagaccacaa 240
agcaaggagg cttgtggtgg ctggccagct ctggattntg tgtgatatgt ggagtatggc 300
ctctggtaat cgattaccaa gggtgggtaa tcgattacaa ggcttaaaaa tgaagac 357

<210> 7923

<211> 359
 <212> DNA
 <213> Glycine max

<400> 7923

actctaagga ttgccttagt taacattcct ggctaacttc aatacctaata ttccttaacc 60
 ttcaatggcc aaaccgccta aatagggttc ctttaaccaa taagttttta acctaattctt 120
 tcatactttt ttaagtgggt accctttggat agttccaaca ttattttttt taccttttgg 180
 tttcaaacct ccacaagaaa aaccgcactt aagaaccaca tgagtaataa ttatctaattg 240
 taatggcgag gtactatcat agggaccttt attagaattt agataagtga gtccctcagt 300
 tatggaagaa aacagagaga tagaaaagga aaaaagagtg aagaatagtc agatgaaga 359

<210> 7924
 <211> 538
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7924

cggcgtgaca tttagcnccc tgcatttggg gacctttatt tgactccctc tcatatacgc 60
 gcagcactct attatcaaca ttcacaagtg gagatctttg cacacgagct tcaggtaagc 120
 gtctcttata caatcgagag tgattgccct accttctcta cagatgcaag acctcacttg 180
 ttgcttcatg agacttccac atgctttgtg cgtaatgctg gctacatgaa tcgatacaag 240
 ttccacttat ttaactagcc tagaagctac cttcgaattt ctatgagtaa acatctcctg 300
 ccatagtcac gaaccatgaa ttgtgtcgag ttacgactct tagagagtgg tcctggaacc 360
 tatagtggct gacacctcaa caccttaaata cttacctagg aattacatga ttaggagcac 420
 ctgagcatct agagtgcacat gtctactcta ttggacttcg ccatataacc tatcgtaaac 480
 catgacactc gtccaattag agctcctatg cagcgccgga tgatatctga cttgaccg 538

<210> 7925
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7925

tgtctaccac acttccaatg atgaacacca ccttttagcac anactanaac accaaccaag 60
 aaatggaatt tgcagcgaan aaacctgtag aattcacctt aaattccggt gtcatatgct 120
 aacttgctcc cttatatact tgataatgca atgatagcca taacccttac cagggttcct 180
 taacctccat ttttctgagg atacgactcg aacgcaacat gtgcatatca tggaagagtt 240
 ccaggacatt ccattgagca ctgtatgacc tcgaagcgta aggtgcaaag tgtaattgat 300
 gtgggctggg tgaaatttga gtagaatcgc ttgtgaatcc taaacattga caagcgacac 360
 cacacatggg gtaattttga aagctgttgt tagatgtctc taatgactca tcangatttt 420
 canatntatt gccattattg taaccacagt tacaatgcta aataaaaaat gtaaatttga 480
 catctttg 488

<210> 7926
 <211> 333
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7926

tcccttgccg ctgcagctta acattcaatt tcagggtttc gattattacg ggattcaatc 60
 atacatccga gtaaaaagtt attggcgttt gaatttgctc agagcttcng catgcacagt 120
 cgagcctctc gatatactac gggactcaat cagaccaccg agtaaaaagt tattgtcggt 180
 tgaatatgct cagagcttcg gcatgcaagt tcaagcgttt cgatatatta cgggactcaa 240
 tcagacatcc gagtaaaaag ttattgtcgt ctgaagttgc tcagagcttc gataatctat 300
 ttcgagcggt tcgatatatt acgggactca atc 333

<210> 7927
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7927

actcggatgt ctgattgaga cccgtaatat atccagacgc tcgaaattga ataccgaagc 60
 tcttaaaaaa ttcaaacaac aataactttt tactcggaag tcagattgag tcccgtata 120
 tattatcgag ttgctcaaaa tggaataccg aagttctgtg caaattcaaa ccacaataac 180

tctttactcg gatgtctgat tcacgcccgt aatatatcga gacgctcgaa aatgaatacc 240
gaagctctga gaaaaattct aacgacaaca actttttgct cggctatccg attgagtcct 300
ggaaaatata ggaatgctcg aaattgaatg ctgaacctct gagcaaattc aaacgacaat 360
aacattctta ctcggtgtc tgatggagcc ctgaatatat cgagacgctc gatattatat 420
accgatgctc tgagaaaatt cacacaacaa 450

<210> 7928
<211> 140
<212> DNA
<213> Glycine max

<400> 7928

tatataaata acaatttcaa ttgattaatt ggcataccag ctttttttaa tataattcat 60
gaatgtaatg aaatctttta tacaattttt tattattata gaaaacgtgt attgtatatg 120
gtattagcga caatgacata 140

<210> 7929
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7929

tatcttagcg agagtgattc tcctaaattc tcgagagagt caagaacacc ttggctgtat 60
caaaggactt tcacaacctt tgtgcgttgc cctcgctgga aagagtgatt ctttccttcc 120
tttcatcatc acccttgatc tttcaaacca caattccaga aaatccacct ctgcccagaa 180
ttatgtcgcg ggcataactt ccattttacg cactcaaatt aagtgattct tgagcctaaa 240
gtgaatttca aaacgagacc tttcacctcg ctttggatc acctcatttg gagccctgta 300
gcttcagtta ttgacatttc tatatttctg tccagccacc acttaacctc cgttntacca 360
tcccattcat cccatttat 379

<210> 7930
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 7930

atattacaac aaactgcaat ttccatcctt ttcaaacttg tattttctta aatatttttg 60
ctacttgagt tggaatatta tgatttatga accattgtat tatggtatga ttttaatat 120
ttatagaatg tgttggtatt tttctatatg ataatatgct gtagtaacca tgcctgngtt 180
ctagaatatt tgttggtatt ccatacctgt actagtactg gaactcatac atgtatccat 240
gaaacacaga tgacaaaata ttntcagtat tgctctgttg tttgtctggt attgccaacc 300
tcacctaatg ggataggatt tttgtgcccg tgtatgctat ttgtctgtta tatgatctg 359

<210> 7931

<211> 470

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7931

ctttccatt aaaatatcaa ttgcaacata gtgacactnt gtatgtccat gctcgctgt 60
ctttgacgta gagacctcta caacctgtca agataaatcg acaaacaac aaggcaaaaa 120
aatatgttta cttaactgat tgtctcagat cataataaca gacaaatagc atacaacggc 180
aacaaaaatc ctatccatt atgtgaggtt ggcaataaca gacaaacaac agagcaatac 240
tgaaaaatatt ttgtcatctg tgtttcatgg atacatgtat gagttccagt actagtacag 300
gtatgggaat acaacaaata ttctagaacc caggcatggt tactacagca tattatcata 360
tagaanaata acaacacaat ctataaaata ttaaaatcat aacataaata caatgttcat 420
aatcataat attccaactc aagtagcaaa aatatttaag aaaatacaag 470

<210> 7932

<211> 292

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7932

attggttgca agtaccttac atacgattat tttgactttt atatacacat ctatacggct 60
gttatagtta tattttgggg ctttacctct cagccacaaa tttatgatgt aatcagcaaa 120
gttctctact gatggccctg agttctcctg ctcttgatat tgcttgagaa ttctgcaagg 180

aatgaaatca tatggctgtc taatttagtt ttagtctgta gtacatatc caaatggtgc 240
 tgtaagaaca taaagtataa ccatccataa nnatagttac tgcagtatat gc 292

<210> 7933
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7933

tctcacaatg aaacagttaa tggaaagttac catagctgc atgattgtca gaanaaatta 60
 aagtccacgg ataataattc attaaaaaaa aaaagtgcaa atctactaca gatccaaact 120
 cgagcactgc ataagatcag gaacattaaa atattttaact tgcttttaaag aattataagc 180
 atagctttcc aatttgagag ccgattagat ttctactaca tttagtgcag tgaatttcac 240
 aactgttgaa gatccatgca aagcattttc tcagggttctg tgaccttgca taaccattaa 300
 cataacattt atcttgtaag gcttttgaca gaacattntt ccttggaat acttcactgg 360
 aaacatacct nctaacaaag aattctncag ttgaaagccg aagatatgaa gtacatttcg 420
 ttaccacaat acccatataa tccaat 446

<210> 7934
 <211> 133
 <212> DNA
 <213> Glycine max

<400> 7934

ttgataaata tcatatataa atagtggccg aatattatat cgtaagcaag aaactaactg 60
 ctcaatgata acatgatcac ctacatatga tgttataatg gcttatcata acagcatgcc 120
 acatgctttt tta 133

<210> 7935
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7935

tagccttggt cctncctacc ttacatgttt catcaaactt ggttctgaac actcactttg 60

ctccaacaac agattatcct ttggggagtt ctacaagctc ccatacatca ttattctgaa 120
 actggtctag ctcttcttgc attggtttga cccaatatta atcagacatg gnatcatcta 180
 tgtgtttttg ctcaatctca tataagaatg atgtgttctt aagagagttc cttctctgta 240
 cttatgccat aggatcacat atgatctacg ctctagatgt tgtttcctca acaggcatac 300
 agttggttct ctggcctctt caggttggtt gtccactggt gagttagacg caagttgggt 360
 ctgactcgac acaacagt 378

<210> 7936
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7936

agcttggttaa aaaaatgaaa gaaacgaaac cgaatttgaa cgaaataaag atgaaggcca 60
 aaaaaccaag aaatgaatta aaagtctcgg atttggaac ttacctgctg aagaacgaag 120
 aacggatgaa gaacagtga gaacggaaga aaccttcacg ggattgctta cgaaaacatc 180
 tcggaagcgt tacggaagca cctcggcttg gatcttcttc acgggaaaca attttttcac 240
 ccaaaacagt tgaaatgcat agccagnng atcatggacc cttagaacag gcccnntttt 300
 ttctttttat agagaaaaag tgggagga 328

<210> 7937
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7937

ttgatggcac tattgcaaca acaaaacata actcacaaca atttacctgt tagtcaaatt 60
 ggtacaacta gcaacaaagg tagtactcta tccattactt gtagtgtaag caagatcagt 120
 caagaagagt ggatccttga ctcagggtgcc acagaccatg ttacagtctt tcttcataaa 180
 gttggtaatc aattatagga ggaggcagcc tactggtaat cgattacatg aatattgtaa 240
 tcgattacat gccatctgtt ctagtgtaat cgattacaat attcatgtaa tctagtgtaa 300
 tcgattacaa tattcatgta atcgattacc agaacaaana atagcctttt cctacaagaa 360

aacttatttc taagtctaaa aacttatact atcttaagag ttaattatac taacaagaaa 420
 agtaaactaa attaaacaaa acaagcgtca tacttaatca gaacac 466

<210> 7938
 <211> 319
 <212> DNA
 <213> Glycine max
 <400> 7938

agcttgcatg atttacatct ccccttttct caagcaaatt cttcttgata tcatcaaaat 60
 cttcatgata ccgactcggt ggtggaggat gcatgaatga caatcaattc atggggctcc 120
 gaataaaagt ggagattgga ggataggcga atagcgctag gcaatcaatt cgcggtgttt 180
 ccgactcggt ggtggaggat gaatgaatga caatcaactc atggggcttc gaataaaagt 240
 ggagaatgga ggataggaga atagcgctag gcaatcaatt cgcggtgctg cagactcgat 300
 ggtggaggat gcatgaatg 319

<210> 7939
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7939

tctccttatt tgctataaat agggggagaa gtgaagaaga aaagagttca gcctctttgc 60
 cacttctctc tctctcgaaa ttgctgagga aaattatttc cgtgaagaaa atccaagccg 120
 agacgcttcc gtaacgtttc cgtgagtaat tacgcgaaga ttctcgaccg ttcttcaaga 180
 ttcatgttgc gttcttcggt ttcttcagtc ttcaacgggt aagtacctca naccaagctt 240
 ttcaactcat tctatgtacc cgtggtggtc cacattntgt ttcatgtatt tttattctct 300
 tggccatttg ctttntatac ccctttntga catgcttaag ccatttattt aagtcatttc 360
 tcgcttaatc taaaaataaa ataaatttcc actgatcggg taaattatat ca 412

<210> 7940
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 7940

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aaagttattg tcgtttgaat ttgctgagag cttcaacatt caattttgag cgtctcgatg 120
tattacggga cttaatcaga catccgagtt aaaagttatt gttgtttgaa tttgctgaga 180
gcttcaacat tcaatttcga gcgctctgat attttacggg actcaatcag acatccgagt 240
taaaagttat tggtgtttga atttgctgag agcttcaaca ttcaatttcg agcgtctcga 300
tgttttacgg gactcaatca gacatccgag taaaaagtta 340

<210> 7941

<211> 567

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7941

tctcttccgc acttntctat actcttcaact cngtcataat antatgtact ttttctcnca 60
gcgagccttg cgacntcgat tgacccttg atggacnct tgcattaccg gcacctagac 120
actcaacctg aattggaact atacaaatcg ctggttactg taacgattca attgaatgac 180
tatgaagtca gtgcgcactc acactagaag tgaggaaaag taatgctgat accaaaatga 240
actaanaaaa acaacagcgt caatggcatc aaacaaagca tagtgccaac cacataacct 300
atagaacatt aagaagcatg agtggttaaat tcatgataat accgtacaaa tgaagagact 360
tcctatttac taatctctag agagccatga gttttctata cagaatcca cactctcacg 420
ttctggttat aatgacaata aaaataacta acaataatat ggctttgccca ctttaacatt 480
gcaatcagtc cacatacgaa ccaatgattt attatcattt cgtatttatg ccatcaacac 540
ggtgatattt actgaaacat tctagcg 567

<210> 7942

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7942

cagagttgng agcagcanag ggatctatta aatataaact aaagataaat aatcaaatag 60

tattgataaa agaaatgtgc ataaatcaag tacaaatcct tcaaaacaaa gtaagaacaa 120
 atagtgattt tagaagaaaa gagaaaaaga agcaaaacaa aggataagca actaaagtta 180
 gaagctaaac gtaagaacaa aacccaaaacc ctcgaaattt aaggtgtgtg tgagagaact 240
 gaaccgaagg aattgtgacc tatgaagaac aaatcatagt gaaaatgcat agaagagtgt 300
 catttttttt aactaagaaa tatatacttt acggcatg 338

<210> 7943
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7943

ctcatccaaa catggcaagt tcaacatgct ntaacanatt tcttcacaaa taaccatcat 60
 gaagcagaaa cctagcaaga ctacccatca tatctcccaa aaccaatac ccacgaaaat 120
 caagtgagaa agaagtccac ccaaacctga aatttcgagg tctcacacgt agagatgcgc 180
 ttcacgactc tgaaaatgcc ctcttttcac gatttggagc agaaatgatg accaaaggtt 240
 ggagctctgt tggagcttca atggagaatg aagaagaaag aaaaagcaac gtgagggaga 300
 gggagagaga gcttctgaaa tgtgggctga gtgaggagag agagagagag ttgcttttta 360
 gtttaaaaag gttntttcct cttttcttat tattttaatt taagctatgc cacatatctn 420
 catttgagtg gagc 434

<210> 7944
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7944

agcttctaataat aatgctcatc tgggtgtctn ttctttntcc tggatgctnt actgtttga 60
 cagtgaacat attataaacc agtagctgag acttcttagg ccctttgttg tgtagatata 120
 aatctgaaac tagatgatca attataacca agaagttatt tgtggtgagc tatacagtag 180
 tttcacgctt acttgctaac atggatatcca catagtgtac tgttggttcta tgtaaacttt 240
 ctctgtaggtg gatgtcgggt taagctagag ccgatgctat acattatcac tgcagttctg 300

ttactttcaaa taatagacat atctgngtct atatctattg aaatatggac tgcatat 357

<210> 7945
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7945

cgaggctgac gtattccctc anattcgacg tcgatgagct cgcctcagtc tatgacttcc 60
 gcatcgacaa gtctcaagtt cgttcaccgt atgcttctat ttctcttcgt tttcgagaaa 120
 ttcgaaactt gtgtgttgag gtcttgatth gcttctgatg agtttcagcg gcacgccata 180
 ctggcttttt taagaggctt ctcggcggtg gtttccgctc cgacgagcag caagaagacg 240
 ctgattggcg aggctgcggc cgaatgtgag taactattga cgactgcttt tcatgcagtg 300
 atggtaatgt ttcttctaga agcggacttg tgaatgctga tgtgattgtt ctggac g 360
 ttgattacct tagtgacata tctcgtggac agtctaagag gagattgtac gcattt .t 420
 ttgactctac atgttacgta gcttgct 451

<
 <211>
 <212>
 < 3> Glycine max
 unsure at all n locations
 <4>

agcttgc agaggctc agaaaggctc aaatcttcg cccatccagc gaccacagag 60
 tggatatctgg agatatgtcg cgggggtcag gagaacttgg gaacatcaag tgaatatca a 120
 ttgccccaaa ccaagcttga ccacatccga ccgaacct a 180
 cctgtgatgt acctaaacag gcgagctcct tgcagtcaac agataaaagg aacaaagacc 240
 acaaagcaag gaggcttgtg gtggctggcc agttgtgaaa cttgatngat atgtgagata 300
 tgggctctgg t 311

<210> 7947
 <211> 125
 <212> DNA
 <213> Glycine max

<400> 7947

acatgtcttg tgctgcctgt tgatctgatt aattcttcca catctcagcg attaaccttg 60
ccatagagcg ctacacttga tcttctatgg ctctaatac ctggttttgc tcttgaacca 120
tgaat 125

<210> 7948

<211> 333

<212> DNA

<213> Glycine max

<400> 7948

agcttggttcg cacatcggtc gcgtgtatga catccactcc acaaggtttg aagttgagga 60
gacctttaat cctattacac aacgtggccg acaaaagtgg gcagttaact tgaatggtca 120
ttattgtcaa tgcagaaggc attctgcgct tcaactattca tgttcacata ttattgcagc 180
ttgtgggttac gtgagcctga actactacca atatatagat gtttggtata caaatgagca 240
catcgtaaaa gcttactccg cacaatggtg gcctcttggg aatgaagcga ctattcctcc 300
ttctaatac gcatggacac ttatccctga ccc 333

<210> 7949

<211> 541

<212> DNA

<213> Glycine max

<400> 7949

gtcgcgcccc agccgttcct ttgggcactt atatacgcat cttgtaggtc accccagata 60
ctccgcatgt gtcgagctg atacaatatg tacgttcctg gtacagctaa tcattgacct 120
attcggttgt tcagtcacac tacatttcta cgagaatacg actcgaggcc tacgtgtgcg 180
ttgtccaaat gaaaactctg tgcgtgtcca tcgaagcatt ggcatggctg ccgacagcgt 240
actggacgcg aggatctata ttggtagctg tgctgaaact atgatgataa tagtgctgaa 300
acgtgtact tgactcgaca tgccaacgcat ggcgcaaatt tccaagctgg tgatagacgt 360
aactaatgac tcacacgttc tgtgaatctt gaccggaatg tgggcgtacg ctattgttgt 420
gtttgtctta gcaacgtgcg actctgagtc gctactcgca agaccggcac atatgagaat 480
actcatgttg caaggcgcg ggcgcgccgt agaacatcga cgccgagttc atactaatac 540

<210> 7950
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7950

gcttatgata ctngttaatg ttntcttact aattgtggtt atttgatttt tttgtattaa 60
 tttcttttat aataaactca cccctcacia tttttgtacc gtgtggttgg tacctgtgat 120
 gatcgcgatc ttttgtggga gcagaatgac aacagtagtg gacgagaagt aagattcttt 180
 tgtggagtcg tcgagccgac atgatgacat tgggattant ttgggagaaa gttgtgtttt 240
 gtaatcaact cctncatagc tggttctgta attctttttg gtgattngaa gatgtaaadc 300
 acaaaattag gtatatgtat gaacanatta ttntccatta tngtgaatat gtgtactang 360
 gtactatacc tatatatata tatatatgga t 391

<210> 7951
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7951

tgtgtgtaat tgggttggct ccttcccaca ttgctntcaa ggatgaatgt ggaatttagc 60
 cattgatttc aatgttggaa agtctgatcg caacaggata aaagtcactg gaaagcagaa 120
 gaaagtacgt atttttctca agtttgaatt ttcacgctct tcttctctct gtttctagat 180
 atgtatgaag aattagtaaa gctgattcct atcgtttttt ggtgcacaac tgacaaatac 240
 tttcatatta gtgatattac ttttaagact agaagtctag aatgaatggc tntgtcgttg 300
 ttaatgatat cctttcatta tttctccaag tgaattgagt tgcaaatttt agcaattaat 360
 aattaaactt gtaagcatta ggcacttadc cagctcacgg ttgtgatatt ggtgcataca 420
 tcggcagcca tttccttggg ttagagtctc ctattttgnt ctctggagct gtgggttacgt 480
 c 481

<210> 7952

<211> 503
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7952

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agaacaccac tccggttctg gaacttgagt tcgngccctt agatcatttg acctgcagct 60
cggcagatca gatcgcgag gctctcatga acatgcaggt tggttggaac aagatagatg 120
gatgccccac attattattc atgacacaca tgcttaaagt atgagttgga aactatatgc 180
ataactgggtc atgctgtcac ctaagtcgac actcaagtgt cacaatttta tgggtcatgtg 240
atgctatggc tcaagattca attcctctat attagacgac ccagcgataa cacaatatgt 300
tctgttatca attttgcatt catccgagtc catgttgtgc gtctgagaaa atcttcacag 360
cattcacctc tcaggtgtat acacagtttt gtcaaaacta attattatca gtgaaatttt 420
ttcaaagaaa gatgaagtca tctctttcaa agcatgttgc tattaacttg acaacttaat 480
tacttattct tcttttttta tta 503
  
```

<210> 7953
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7953

```

ggcatgcctg ttaaactggt tccaacttct ttctatcttc agtgtatntg gtcactactt 60
tctcaaagag taggttgcac ttatgcacca ttccataaca atttgtagg ttagctcgc 120
tgattttctt ctaatgaata aatgcagcaa actctttgcg gaagttctac aaaatgtgaa 180
aatagataaa aaaaaagac atttagatgg ttgttgtaa agtaagtaca atatattcaa 240
ttgcatgatt tgcaacatca gaatgaacaa ataaataaca ttattaaagt taaggatgtg 300
ggcttacaat ttgtctacag gtagctgtat ccttagtcaa agcttctcta aattntgtca 360
tctaaggagc aaataattnt atgaactaag ctaatgtcaa attgtactga accaccttat 420
tacaataagt aacgtatact tac 443
  
```

<210> 7954
 <211> 225
 <212> DNA

<213> Glycine max

<400> 7954

ccggcaagca atactggctt ttctaagagg cttctccgtg gtggcttccg ctccgacgag 60
caccacgaac accctcattg tggacgctgc tgcaaaatgt gattacttat tgaccaccgc 120
ttttcatgca ctggttggtta tgtctctctt agaagtggac ttgtcaatgt tgatgtgatt 180
gttctgacca ccttgattac cttagcgaca tatcctcggg tacac 225

<210> 7955

<211> 275

<212> DNA

<213> Glycine max

<400> 7955

taagcaagcg agcttctggc agtctacaga ttaaacaatc aaaaccacaa agcatggagg 60
cttgtgtggt ggctggccaa ctgtgaactt tgattgatat gtgggttatg gcctttggtc 120
ctcgattacc aagagtgggt acatgattac aaggcttaaa aatgaacaca ggaggctcag 180
ctggtctctg gtaatcgatt accaaagggt gtaatcgatt accatgcttg ataacgaggt 240
caagaagcta tgagagcttc tggtaatcga gtacc 275

<210> 7956

<211> 470

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7956

tctataaaac taagcttaca natctggcaa cagagaaata tatggtaggt acctagtact 60
ggtacaaggt ttatagtgtg acagcaggaa catctcacac ttgtagcacc acgtgtgtac 120
attagcaatg tcgtacagcc tccacaataa agttgtgaca tgtccattcc tgcacgggca 180
acatgaaatt aaagggttcc ccagatgtaa ccatttagtt aaagtccaat acatgttaat 240
gaataacttaa tcaagctgaa tgcatagttt cttatcagat tatctctgtc tccagctctc 300
tccacacaca cacacacaga gtatctttta aaataatatg ccaatgtag ctacacacac 360
aatttcttga ttctttttat cttaataaaa gcatatagct aacattttcta ttgatctttc 420
atcatcattg atcttcaatc tcttgaagaa tctattanac aagcataatc 470

<210> 7957
 <211> 206
 <212> DNA
 <213> Glycine max

<400> 7957

agcttatccg gcctccatt aataggacct ttatttaaaa atattgcatg ccaaggtagg 60
 catagcagca ggagaaggac caccagcagc cagccacaga tacgccggcg ccacctctat 120
 ggtagccacc atctctggag tccatttctg ctcaacttgcg aaagatggag cttcaaattg 180
 atgcatatat gcagcatgtg accgat 206

<210> 7958
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 7958

tctacttatg tggcagggcg ggcttccttc accttcttgt ctctaacgcg aactttgacc 60
 attgttcttc cttcccgcaa tgcttctctt catgtctgcc tgagtgggct tatagcctaa 120
 accatacttc ccacgatttc cttgagtatt tatcaggcta gttatgccgc cgttgttttt 180
 tcctaaaccc atcccggtt caaaaccgtt cccaacata actcggggcca tcattaccgc 240
 tgcacgcgac agacaagggt gcccaagag ggagtccacg gaggaatgc tgaccacctc 300
 acaagactgg aaagcagttt ctaacgattc ttctgcggct tccacataag gcatggagga 360
 tgggcagctt accaagaata tcttctcgcc tgacacgatg accaagtgcc cctccacta 419

<210> 7959
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 7959

tcactgtttt gactaataag ttaattaaaa tgggaagaaa catgtgcaag ggatttctaat 60
 tggtgtctta attgaacatg tgtagtagta aaaacgtatc gttacgtaaa tcgtgaggtt 120
 ctgaaacgta tcgtgcctta cagaagaaaa caagtatcgt tcataattca gaggttttta 180
 acttacggaa gagaaactac aaaaacgggc aactgggtgt tttataaaat ggtggtacaa 240

tgtatattca atcggccctt ctaaggttct ggcatttttg cttatgaaaa gcaccttctt 300
 cctgtgcacg tagtgcacac ttccctttttt gtaaaatgct gcgggggcct atgttcttaa 360
 aat 363

<210> 7960
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7960

tccaataacc aaggtagaaa tagtattact cgaattgaca acattataaa gcttgagaac 60
 aacctncaaa agttgcatgc tatagccact tctgttcca accatgcaaa gcctccctga 120
 agattctgcc cagaacccat caagactaaa cattattgaa cttgggaaac gcttacggct 180
 cttcaatctt ttgccacgtg tgaagtttcc cacacggtaa taggagctgg cacttcttat 240
 taacaaggta gctccaactt tgagtaagcc agagacatca gtttcataca cactctttat 300
 tcg 303

<210> 7961
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7961

ggagacgaag gtcatgtgtt cgcgatatgt gaagatgatg ttccaggtcc ttcggatttg 60
 gtccgacatt cccctctgga tttcaactgg ggaaatggcg aatggaggaa ccgcccggca 120
 tttacccac cagccatag gaacctttac ggttttaaaa accctatagt tgggcctagg 180
 cttanaagtt tctttttgta agggcttggg tcttttgttt ttgaattata atacacggat 240
 ctttcttctc tgttctgtc tctacctatc tcattcattt gcatgttacc ttcttttctg 300
 aaatgcagat cgatgacagt cctcgaaggt caatacctgg acccgctata acttcagcaa 360
 gaatgan 367

<210> 7962
 <211> 203

<212> DNA
<213> Glycine max

<400> 7962

ttgctttacc ttctcttcca ttggtgatcc ttcatttttt ctccatggat ctccctcacat 60
gtcttgatgat aaatgttttt aacatgatcc tttaaagttt ccaccgaatt aacttgctat 120
agaagctaga cttgattttc tatgggtcaa aattcttggt cttgttcttg aaccatgaat 180
tgtgttgagt ttacggtcct ttg 203

<210> 7963
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7963

atttgccgga tgcaagctcg cagctcagca attgtccatg ggtgagacct taaaaacagt 60
cacgtttcag ctgaatgaaa tcttcacgtt cttcccttac gagtccaaca caggtccttg 120
cccactacct ttgttcatct tcttccttgc acaccatcac cgaataaaat tgatgttctc 180
gattgatggg agtgaccctt ctgggtggat cttcaagatc acccagtact tcgagtacca 240
ttcaacccca gaggcagaga gacttaccat tactgcattc tacatggatg gctgtgcgtn 300
ggcttggttc caatggatga acaacaatgg ccaattcacg tc 342

<210> 7964
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7964

tgtgcctctt cacgtctgga atatgaatgt agcatataga tccaaagacc cttaggtgct 60
ttgctgatgg cttcttcccg ttccaagctt caattggagt cttgtctttt acagacttag 120
ttggacatct gttgagtatg taaacagcag tgtagactgc ttcagcccag aatttgttag 180
gtagtccctt ctcttgagc atcgatctag ctatttccat aactgtgcga ttctttctct 240
cggacactct attntgttga ggagaatatg agactgtaag ttgtcgctca atgccttcat 300
cttcacaaaa tcttttaaac tcgcgagagg tgtactttnt gccgcgatca cttcttagta 360

cttttatccg ttttccactt tgattntcag caagggcctt gaactntntg aatactccac 420
agacttctga ttttatttaa aanatatacc atgtcatcta gagaagcatc at 472

<210> 7965
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7965

gagtcacctg ccgcatgcaa gcttggttga cctcagagtt gtgtcaaagg gcatgagtca 60
tcatcaaadc atacaacaag ctctacaatt gtagcaggag ggattcgaag ctaggtgtag 120
ctcgaagagg aaaaggaaga aagctgcca ggccaaggat ggtggcaagg gtagcagagg 180
tagatgattt cattattatt attttttatt accaacattg taatgggtga aaacgttacc 240
gtaacganna atctttattt catttggtt aaggggagtt tccaaaaaat attaaaactg 300
gggaggaaaa aaatatacat tgtatatgtt tataacggaa tcacgattct atcgtaataa 360
gggggggggg gtgcanaaac agtataataa tgaaattatg 400

<210> 7966
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7966

tcattaagag gcttcctcaa gaagcttctt cngggcttct ntgataagct ctctcattag 60
acttctttga gaagcttgat gcaatccttc ctacgaagg accaatcact agaaccagga 120
gcaagaggct ccaagaagat tgggctagag ctgctgaaga aggccctagg gttctcatga 180
aattcagggt agatttctga gcccatgagc caagggtgag tccaattatc tntgtacata 240
ttagactacg atgtcattat atttggtcct tatatttagg gttcatatt gtaggtaggg 300
taccctagaa atataggatt ttttcagccc ttgtatttta nggcacctag actagttntt 360
gtattaaggg tagtcttgta atttcacatg cactaagtgg atatttgatg tgtg 414

<210> 7967
<211> 290

<212> DNA
 <213> Glycine max
 <400> 7967

tctcttaaag gcatgccaaa tcgaaagata aagaatcacc atgtaatttt gataggaaaa 60
 cataacttgct cactgcaata atagatcttt gtacgacaaa agaaataatt ggtgaaaggc 120
 attgaatggt gcaattaatg caatccatcg accattttctc tttctatata gatatcacac 180
 gaggggaagat tgaagatgtg agaaaatgaa taattttctaa agtagtcctc ctatttatac 240
 caaatgtccc tttgctcaag atagataacg agttgctgaa cattcaattt 290

<210> 7968
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7968

tacatctacg atgactttaa tactgtttat acatcatgac cgtttgtctt ctttatagaa 60
 acaaaccaga tgtttgctgc ttcatatata ctgataagag aaatcagtgc tgccttttgc 120
 aaggactcct natcttccaa cttcaattta aaaatatcca tgaagagatt ttaaaaatgaa 180
 agttgattaa aatatatctt cctttgaaca cttatgtcaa aataaccatt ttattcttca 240
 atgtctaaat tcaattgatt ttatggctgg atctctggat acatattcga aaattaatcg 300
 ataactcatg ccacgaaaaa ggtgttacct gcacagttat ccagcaactg tatcagcaaa 360
 gattcgctat tgaacatcta cacattatga aagggttaat taacccatcc acagtggcta 420
 cttg 424

<210> 7969
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 7969
 agctttgatt agcttatatg aatatattag tattttctaa tgcgtaactt tttccatttg 60
 gtttttgcta atggaaagtg gttggctttc ttggtgtgaa aatcatatgc taattatgtg 120
 cagactaaat ttctacaagc caaggtaa atcttctaata cttatatact ggaacttata 180

atcacgaagg agatattata tatctttgct ggtaatgtta actatgaagg tcttctggat 240
 cgggactctt tttagttttt caaaatcatt atattatttg aatttttaat ttcaagataa 300
 attattattt tattagtcac ttaactgtca attaatacaa ct 342

<210> 7970
 <211> 481
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7970

tcttgcgtag cccctcttgg tgctcagaan atccacnaac aaatccctct tattactagc 60
 tatntgaat tctttagtgc ctgaatgtac aaccttcaaa ttgttgctcg ttccccctct 120
 tgttttctgc aagaaagaaa atcaatatca aacaattcag gctgaattgt tatcgttatt 180
 attactcgaa ccataacgaa taacaactaa acaagtctct cttattcaaa tggaaatgga 240
 tgttggtcca ccagcatcat cagctntgga acaggatttt ggtctccaaa taccatgggt 300
 ggaggggatt agatcaaggg cctaaaaagc attatttttc tacttggtgg gatgacctaa 360
 gagccatcat ccaacaccag agtatgaatc ctgctcttaa ccaaatttgc tggaagggtg 420
 gtaggggaga tcagttctc ttttggaag atccttgcgc tgatgacng actcccttaa 480
 a 481

<210> 7971
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7971

ttctaatac aaactagaca tttaaatgcc tccccactt tacaccaag tgtatcatag 60
 tagttatgga atggcagcct tggtacaaac tctggaaaaa naaaagtgc atttggaactt 120
 ctattcttca tccaaagatg aaaaaattga gctggaaaac taaattttac caagctttgg 180
 aaggcaggtt tctagctatg gacctttttc tctattcctc ttgggaacct tgcccgaaga 240
 gaagaaaaga tgacatatat ggataaggaa ctagtgatca ggagtttggt ccaaacagac 300
 tggtgcccc aatattacat acacatatat tagtagatta tttttcacat catgattntt 360

tctctaaaat aan

373

<210> 7972
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7972

gtgtcttttg tgtttgaatt tataatacaa ggatctttct tcatctgttc ctacgtctct 60
accattcttc attcatttgc atgtttactt ctttntctga aatggcagat ccgatgacga 120
agtccccgaa ggtactaata cctgggaccc gcctatcgac ttcgagcaag aaatgagtca 180
aacggaagat gaaggaaacg aggatgtggg acttcncca gaattagaaa gaatggtcgc 240
ccatgaggac caagaaatgg gacctcatca agaagaaaca gagctggtag acttacgaat 300
tggcagtgga aaaagggaag taaagatagg tacaggtatt accgcaccta tccgtgaaga 360
attaataatn ctgctaaaag actaccaaga catctttgct tggtcatacc aagatatgcc 420
ccggttgagt 430

<210> 7973
<211> 284
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7973

agcttgagac ttgccacata tctttctcta gttgttcttt tgtcagcatg ggctgttatg 60
atggattcgg tatctgaggg gaacttcata gcccaggtga gggggtggac anctatcaca 120
cgctaaagca tttaaaagcc ggacgatcaa agaagtatat tgtangaagt gtaggcatgc 180
actatccctt atcaaaattn tagacctnn ntgtttgggc cctcatggcc aaacttagtg 240
tatagctata tgcacccctt ggcttctact ctttctacag caaa 284

<210> 7974
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7974

tgtcattggt caatacatcc ttctatgcta ataatcattt aattcggttct ctntattgaa 60
 tggattaatt attgtgatgt aaattttcaaa attaaaaatg aagtgaatta ctcatagaat 120
 tagaattggt agaatcatta aaagacgata cttttatcaa gaaacctcaa tttcaactca 180
 tttttattta ttggctgata tcttataaac taataaagca aatctataca cctataaaaa 240
 aaattgcagc tccaatgata atagctggag agactcggtc atatgcattt gcaatatacg 300
 caacaagaaa tgccaataat cctgccaaaca gtgtcccgaa tcctctgttg agccctttgc 360
 ataaagttac ccctagaacc aaaagaaatt aaaaaaatat taagatcatg cacaaataac 420
 atgcnacaga aacacattat ntaacatagg aatatagaaa tat 463

<210> 7975
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7975

catgcaagct ntgaatgctc tattctatgg agttgacaat aatatcttca gactgatcat 60
 acacttgcac agtggccaaa gatgcatggg agatcctgaa aaccactcat gaaggaacct 120
 ccaaagtga gatgtccaga ttgcaacttg tggctacaaa attctaaaat ctgaagatga 180
 aggaggaaga atgtattcat gacttcaca tgaacattct tgaaattgcc aatgcttgca 240
 ctgccttggg agagaagatg acagatgana agctggtgag aa 282

<210> 7976
 <211> 378
 <212> DNA
 <213> Glycine max
 <400> 7976

cttatatttg tctcttacga gcaagttcat tcccaaaaac ttattagata tgaactaata 60
 tatattttaa acctgcctct cgctgtatca aactgactgt tgaaagttaa tctaaccttt 120
 ctttggtgtc acctcttctt attogatgtt cttatagaag aaacactatg attaaaactc 180
 actaattcag tagcaagaaa ttctcactaa cttgaatgtc tcctatgaac tagaattttc 240
 ttcattaact tgaatgtcta ctatttatat aagtactgct gttaattgat ttcttgagtg 300

tctactatga actacaattt ttttcagtag tttataatgt gaaaatttca cataacttca 360
tatatatgag agagaaac 378

<210> 7977
<211> 170
<212> DNA
<213> Glycine max

<400> 7977

agctagggat taggttgatc cgcaatagga tagttgaagt tacggatcaa gttgatccgg 60
aagaagcatg cggatcaacc tattatgctt gcggatcaag atgatccgag tgaagctcta 120
ctaattttta aaaggtgata ataagttata atactgaaaa tgggtttta 170

<210> 7978
<211> 411
<212> DNA
<213> Glycine max

<400> 7978

ggctacacaa ataacctgtg attgtgtcaa tctcctgtga ttgtgtgtat gaacattgaa 60
gtaggaacca ttagcctatg tgacatctag gcaataacca gattgagata gtttggtgtg 120
gccatgacta tagctctaata agcagccatg atattaagag tacctttttg tcaacctaaa 180
tacagtagag ttgagagaca tacagttccc ttctacctaa ttatgatctc atgtctccca 240
ctttcttctc caatctctct tcattatctg actctatttc aatgattcag ctctctccat 300
aacctgtcct gacatgttgg aatattctgt aacctaagta cattgaacac gaggaatatc 360
aataatgagg cataatattt tgcctaaata tagttcattc tataacttcaa a 411

<210> 7979
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7979

catgcaagct tgtatagttc cccaatttat ggttattttg gagtaaattn tgtaaataaa 60
tcttggttta tgggtaacgc cgtctctaga acatttccat tggatttaata gatgaaatct 120
atgcattttc aggtgaaaaa gaggctaagt tttgaattgc aaaaaacaac agttggacta 180

tattaagttt gtgatcccta acagtgatac ata

453

<210> 7982
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7982

tttgatctct tttttgtgct ctaaattggtg ggagtgtgct caaatatatg gggcaaattt 60
gatttggttt cttgcctgaa tacggtgaat taagggtttg gatgaaatgg ccctacgcct 120
ataatgccat tttgagtaat ggggcatgcc cacattgtcc ccggtctttt gtattgacca 180
ctaaaacgcg cgcccacca atgttcggtg aaatgcctca atggcattag cgcgtaattt 240
ttgtnaggaa acaaccatt gggcaatttg gttgcacata ttttnggaca tgcattcatt 300
ttcaaggact agagtaatgc ccccatatcc ctangctagg aaccaaagtt tatgcaaagt 360
cacaaaagga gtg 373

<210> 7983
<211> 353
<212> DNA
<213> Glycine max

<400> 7983

tgtcaaggag gtgagcttac gtatgagagg tgtatgtgca gcttagctct agcttctcaa 60
ggaagttttc tcaaagaagc ttctcaagga agttttctca agaaagctta tacaggaagc 120
tacctatgct ataaatacaa gcatatgtag cacttattgt aactttgatg aatgagagtc 180
ttgtgagaca cacttcaaag ttccacttat ctccctcttt tatttcttcg atctcgtgct 240
ccgcctctc tctttctctc cctctttctt ttctccatt gaagcatcgc tccaagcttc 300
ttatacaagg ctcatcttgg tggagaagct ccttcttcca tggcttattc cct 353

<210> 7984
<211> 174
<212> DNA
<213> Glycine max

<400> 7984

<210> 7987
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7987

tatccaaaca ggaaaaaata acatatgctt tctatgcttc tgatagactt gaactttata 60
 tatttgatca aataaagagt aactagatg aatttctcaa taaatattta taggagaaaa 120
 aaataataag gtaaaatgaa ttaaatntct ttgtcttcaa ctaacacagc taattttaact 180
 cataagtact tactgagaag tttatccaaa taagggtctaa agcttaatca gataccgaaa 240
 cgggtatgga gggagtaaaa ntaattttta caaaaagagt gtgacaaaaa acaatgaaat 300
 gaaagagtac ttcgaaattg gtcttctaca ggtgtactga tggcccatcc attattacga 360
 cagataanaa caacaggggg cctcatgact gctgcaaaat tcatagcagc atgaaaaatc 420
 t 421

<210> 7988
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7988

agctagcgct gatccaaaaa tttcaaaaat cctatatgtc taaaacatta gtctcgctta 60
 gcgcacagac gcacttaggc gggcatcaa tgaaactcat cagaaggatg aatgtgctta 120
 gcgcaatcat ctggaaacct acaatttcat caattgcat gaacaggcta agcgcagcag 180
 gcgcgcttag cacgttcac acaatttcta gcagaaacac aggggtcctc acccctttta 240
 gtagcatntc ccctaattggg cttaaaactt aacttaaate ctaaaatagc aaaccctaaa 300
 gctaaaaacc ctaacctaaa cagcaatgca agctaacaaa gcaaga 346

<210> 7989
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 7989

cttatcaatg aatatacctat agaaccatat cattgaaaat ccctcagaca atatcataca 60
 tgaaactatg ttgatagatg tgcgaaacata cgtagctatc atggtaaata tgacacctta 120
 tactgatggc atacgaacgt tgattgttac actatatact tatgagatat cactgatctc 180
 ttgatataatt atgtcattcc ctatctatat ttatgaacga acattgcac tttaccacaa 240
 gattattatg attttgcttg tgccacacaa ttatattatg tgattatgtt acaataatta 300
 cagaaggagc tgctgcttta gcatacagcc tattgtatct atgtgtat 348

<210> 7990
 <211> 267
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7990

gcttctatat aagctgnaac catttatcaa taaacacaag tnngagttta ttcagaaaat 60
 taagagttta tcttttttat cttagtgaga gtgattcttc taaattcttg agtgattcaa 120
 gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
 agtgattctt tccttccaat catcttcacc cttgttcttt caaaccacaa ttccagaaaa 240
 tccacctctg cccaaaatta tctcgtg 267

<210> 7991
 <211> 458
 <212> DNA
 <213> Glycine max

<400> 7991

cggaagctct cgagaaaatc gagggtcat atattttcac acagttgttc gattctgcga 60
 aataatatat cgagacgcac gacattgaac aacggaagct ctcgagaaat ctgaatggtc 120
 ataacatttc actcggatgt tcgatccggg gacataactt atcgagacgc tcgaaattga 180
 acaaccgaag ctctcgacaa attagaatgg tcgtaactct tcacgcgaat gttcgattcg 240
 gggacataac tcatctagac gctcgaaatt gaacaacgga agctctcgag aaatttgaat 300
 ggtcataagt tttcacacgg atgttcgatt cggaacata atatatcaag aactcgaaa 360
 ttgaacaacg gaagctctcg agaaaatcga atggtcataa cgttccacac agatgtccga 420
 ttcagggaca taactcatct agacactcga aattgaac 458

<210> 7992
 <211> 153
 <212> DNA
 <213> Glycine max

<400> 7992

gcttgtgcat tcgatatacct gatgaggggtg ttccatatgt tctcaagact gtactaataa 60
 atatgctgac caagttacat ggtctagcag gtgaagatcc tcacaagcat cttagggaga 120
 tccatatagg aaatgccacc atgaaacacc ctg 153

<210> 7993
 <211> 210
 <212> DNA
 <213> Glycine max

<400> 7993

tataatctca cagcgctgtg gagagtcatt atatactata acctctacca aggttatgta 60
 tattgaaaac tattaacagg tcatgcggac cagacctact gctattacga aaataaatca 120
 cagaacacgt aaaaatatta ccttattgac aaacgctcaa cataacgcaa tcacattatt 180
 cagacacatt gtaaaagtca agctaaaaaa 210

<210> 7994
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7994

agcttgatgg tgtcgataat aaatcacatg ttgtcatca tcaaaaaggg ggagaatgtg 60
 aatgtatgta tacatgattt agatgatgtc aaagaagaat ctaaccaggc tgcttcaa 120
 gataagcatt tgctttcaaa aataattaag aatgctttaa caaacaagc cttgtttcaa 180
 gattcactaa agaccaagcc ttgccttnaa acaaagtgtc ttcaagacat gcaaggctct 240
 ggtaatcaat taccaggaag tgtaatcgat taccagaaga cagggttgag aaatagctgt 300
 tgaaaagggt tatgaattga atttaacatg aatcgatacc acatgtctgt aatcgattac 360
 cgcaacgaaa ctttggaat caaattcaaa gtcata 396

<210> 7995
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7995

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cccatttttct cccctntggc aacatcaaaa agccaaagaa cttgggaatc aaaacagata   60
tataataatg aagtggaaac agatcaatta caaagtataa ggcataacca accaaactca  120
taaataaggc ataaccaaac cagaatccaa acagttcaaa attcaaaaac acatagtatc  180
aaagcataaa agtctgaaat ccaaatacta caagataaat aaagtactga aaataataat  240
ctaagtagca tagccaaaat acacggctta taagagacat agaattagaa actaaattct  300
aagaaggtga aggtgggtgg ggaagatcga aactctgacg aatgtaaccc acatcctctt  360
caagttgtgt gaggcgaata tccattccgg caaaacgtgt atccagtgag tcgaaacgtt  420
caccaacata agaacgaaga acccgtaatt cggaagaagac ttcagtcatg           470
  
```

<210> 7996
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7996

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agcttaatag gccttctttg tcgggataag cgactaccct aaatgcatga cgattattcc   60
acttatgaat cattggggcg aacaattgcc cccaattttc gtcatgtttc ctttttaatg  120
gtatgccatg aatgtttaag gttgtgaagg agacttttga attgggtgct gcatcccaaa  180
ttgtctcaat actctgtccg gttggtgcc ctcaataact tgaaacaaat tagtggcacc  240
accgcgtacc acgcgagact tccgactaaa canacgggag gcaacagtga tataacgggt  300
gatgggtgct cccacacaaa ctgcaattaa caacatagtt gtgaacattt tagtanaata  360
acacataata ntttttattn ntacaaatac atagcatggt cttacctcat ga           412
  
```

<210> 7997
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7997

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tgcccaatgt ctcaataatn tattttttgc tatgtcagaa atttcccaag gttaattact   60
tcaactgtaaa tcaccttgaa gaagaaacat ggttttgtaa tggtcacccct cacctttttg  120
gcaaaatgga acagatgccc aatggtaata aatgttccat tagaacatga caatatgaga  180
ctttaaacct tttaacttat ggtctttcat agatacgagg cttccaatgt ttgatgagta  240
tccctttgga actttaactc catgaagaaa cttacaaaaa gatatttttt tcttttctag  300
ataaagtata agttgtgata agtgtcatat ttcagttatt gttggtatta aaatgttagc  360
acttatcttt cgattgtaat agttttctta taaactttcc ttaaacttag ttgttttata  420
tatattgtac atctactaat gtttttggtt caatatggaa tatntatcga tga          473

```

<210> 7998
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7998

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agctngtaaa actataatct atattgacat tcaaatatgt tgtattaaat aaaaaccaca   60
cgaatgctaa tatataaaaa aatctttata ttttagtcag cgtctgccag ctcaattaaa  120
aaaattttga tatgcattgt ggtagatca acaaaataac tttgttctat tttaattatt  180
gcttgaacgt atcatgcgac agtaacacaa acttcaaaaa tatatattgc gccaccttcc  240
agagctacca ttagctgaag attttatgtg gtatggaatt tataaccact atttagcata  300
aaaaaaattg tccgaa                                     316

```

<210> 7999
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7999

```

acagcctctg tgaccgcgga gacgccgact tcggagcgag cgtttattgc cgactatcaa   60
cgacgatctc aggaacttcg aacataacac tctcacagca attgctgac aagcgtttct  120
acaccgttct atgaatgctg agaagaagca gaccatgtta tacgcggaaa cctgctacac  180

```


gtattcaatc tgatgaatgc tgtcctatag ccgtaaaact gcgacgatgt acccgtgcac 240
 cttcacaggg atgacgagcg tttcggacgc ggtattcacg tagagctgaa tgttcatggg 300
 cgtggaactg acagctaattg tccttactag tcttgccctcg tcttggaggt cacttgaagc 360
 tgaatgcgta tgtcgtgaag gagttctacc ttacaatgat cgctattgta atggagaaca 420
 tggtcatggc gaatatgact cgctagtaga cccgaatgta ctgaacgccc gacgttcttc 480
 n 481

<210> 8000
 <211> 369
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8000

aggtcaataa tacggaaaca ttgccctttc tggacttcac acatccatgc ctcacccgct 60
 ggacagactt catttaaaac ggttttatca aatgctngta aactgggtcat gcgtattctc 120
 ctcgggttaa gcagcatcaa atgcgtaata acgtgcgttg ttgtgaaaac cgcgttggtt 180
 ttgtgggcat gaatcacgac agacatcgtg tactgctaaa gcggaggctn tgaataagcg 240
 catttgaata tcggctggct gatactttgc tgcttggctt aaaccatgtg gcgcgccaga 300
 taggaacacc agacagtcca tctcaaaacg cagttcaata gttggatggg tattgtcagt 360
 atcgatata 369

<210> 8001
 <211> 464
 <212> DNA
 <213> Glycine max
 <400> 8001

gagatgtatc ggagtggacg cgacagcctg ttacttgaaa tgaccaatct ctcattacgt 60
 caagccgacc tgtcagctac ggtcaattta ttctctaagg ttcgtcctga tgatgcaggc 120
 aacttatctt atatcgatac tgacaatacc catcaaacta ttgaactgcg ttttgagatg 180
 gactgtctgg tgttcctatc tggcgcgcca catggtttaa gccaaagcagc aaagtatcag 240
 ccagccgata ttcaaagtgc cttattcaaa gcctccgctt tagcagtaca cgatgtctgt 300

cgtgattcat gccacaaaa ccaacgcggt tttcacaaca acgcacgta ttacgcattt 360
 gatgctgctt aacccgagga gaatacgcac gaccagttta caagcatttg ataaaacccg 420
 tttaaatgaa gtctgtccag cgggtgaagc atggatgtgt gaag 464

<210> 8002
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 8002

agcttcagca caagaatatt atgactgaaa aatgatataa cctaaaatca tcacaaaaaac 60
 atgattcaag ggtagaatct ataaaattga accatagaaa tgcaagaaca agtgtagatc 120
 taagaattaa tcggtttatt tttctgaatc tactataaac aacaccaaac cacaagataa 180
 tggaggagat acatggagaa aatgatgaaa aacaaggaat taaagtaa atgactgaaca 240
 aaagatagag gaagcaaaag aacatcactt agatgaatat gttcttgata ccacatgatg 300
 tagctccatg tagagtttgt aggccttgga tcttcttcat caatggagta 350

<210> 8003
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8003

tgtggactat accttcgact gaacacggcc atgtttctgt ctgggcccgg attcaatgcg 60
 ggctgcagca ccggctccgc ttccctaact gtactggagg cggttgcat ggctttatcc 120
 tctatggttt tctggagttt taacatgacc tccgagatgg aagccatttg atcttttaag 180
 gctgatagat cggccttcat ctgttctctg acaccctctt cattatccat ttttctggat 240
 cgagtgttat aggggtgcct tgggtgtttt ttagttatga tgaaattcct aaagaaataa 300
 acaacgatga gtatgccacc aaaacatgag tatgcaaatg gatgatcgga ccacttggat 360
 ccacccaag gggtttttaga taacatgatg agttcagaac ttcttaattt ataaaaagaa 420
 cacagctttc atcttgccaa gaatatacaa aaggttttac aaaagaacct 470

<210> 8004
 <211> 191

<212> DNA
<213> Glycine max

<400> 8004

tgcggtatatt cacaccgcat atgggtgcact ctcagtacaa tctgctctga tgccgcatag 60
ttaagccagc cccgacaccc gccaacaccc gctgacgcga agcccttgag gcccatcgaa 120
tataacttcg cgtcattgat gcttacgaat cattatcgac gagctcgacc ttgcttgta 180
ttccaggacc g 191

<210> 8005
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8005

agctngactg gtaagtttca actatcacag aaactaatct tttgttgaat nctncatggt 60
attgtatttt ataaattata aattattgtc ctcataatat tttggtagta aaaaagttga 120
ggagaggaat aaaagtaaaa ttggaggcta cacaaccccc agagtggtaa ctttttctct 180
ttcgaaatgc gtctcttcaa ttgttgaaca tattatttaa tattaagac ttaatttcat 240
tccaggggac gagagatggc gatgggtata tttactaaa agttgagtga ataaattaaa 300
tttgaaaaag agagaaagaa gtccagtttg caaagaaatg acanaaaaaa cttctcatat 360
atttataaac taaagataac tataaatgct anaataataa atg 403

<210> 8006
<211> 196
<212> DNA
<213> Glycine max

<400> 8006

tcaagcatca tgaatcccat cccggattcg gagatgaaat ccagatgcta cgagtccaga 60
ctgtcttttag gatattgatt aacagaattt tttctatacc caatatcgta atcttgtgct 120
acaaaagaat tttctcaaag tttctcagtt accagagtga ttactctctg gcaatcgata 180
tccagttatt agttat 196

<210> 8007

<211> 464
 <212> DNA
 <213> Glycine max

<400> 8007

tcttcgtcag tgacctctat gcatgatttc gtctcagtc tcatctactta tctctttcttc 60
 cacgctgcat gtgctactgt atttatatta ttgtagatta ctcatctgctc atgatatgaa 120
 attgttgatc ccataaatgc tttctgtata ttgcctccta ctttcaagtg tttatgaatt 180
 tattcaatth gatgtaaatt aaaaaaaaa agattatcct aaaacactca attttattca 240
 aatatatatt atcttaacaa gagatccatg agcaatgaat gttgcgaaat atatggtgta 300
 ggatcacgat atgaatgatt cattacccta acgaatcact gtaaaagcag gtaaaacgaa 360
 cagggtcaata atctaatttc aattctcata tgtttgcat caaaaacaca ttccttaact 420
 tgaatgtcga agtatatttc taagtattca ctcatcacca tcga 464

<210> 8008
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8008

gatcgattac cgatgaagac cgattgagga ccgtcgaaaa ccggtggaaa cttttgcaag 60
 aatcctaacy aaaaccgtac cggaaccaat ccggaacggc ctggcttaag atttctttaa 120
 cggaaccatt ttttccagcc aaattcaaag gagaaaaagt gcctaggggc ttgacccttt 180
 ttcttcttgc attcctccct nattatagca aaatagggga ggtggggtgc cgctcagctc 240
 gccagggcga gctcagctcg tccaggcgag canggttgct ttcttcagaa gcaccgcctt 300
 ctgaggaatc ttctgaggcc caaatggccc tgggtgtatt tgcaccctca ttttacctaa 360
 tacacnncc ctctgctggt tttttggtga tcttttttct aaacgtaccg aaacn 415

<210> 8009
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8009

tcttttggac cttgaacagg caactaactc ctctntcana accatgccat gtgctctcga 60
ctgggccctt tcttcccttc gcaacttgag ttactatttg ctaccccata gagctccgcg 120
aaatttggtc cgccatact cttccttgcg agccctcttg gtctcttggt caagggctct 180
tgcggttaatt gcattctctt cccgtaaccc ggcgcactcc ttccgaacgt gtgtagcagc 240
caacttgaac ttctcctcgg cgagttttgc ctttcctaac tcgcttttga gagcttggac 300
ttcttcgtcc tcttcgggtg cttcaaaatt ctctttgctg acgactttta acttggcgag 360
ccaatctaaa cctcgtatgc gaaccttcag ccattcgtgg taccaccaa tgatgccatt 420
acgaatgcct ctaagctctt gatctttcct taacgnggtt tcccatgcct tatggattct 480
tt 482

<210> 8010
<211> 512
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8010

ccccccccc ggtaattttg aaancnttg nanacctcg gatcctcgta gagtcgattg 60
gcaggcatgc aagctnntag ttgttatata tatatatata tatatatata tatatatata 120
tatatattat acatatamnt ttttatctga agatatatnt atataagttt acattataat 180
tctaataatat ttacgttaac gtatgtttac gttatatgga atataatata tntatatata 240
tgtnttaata tgattatggt taatataatt aatgggttcta atatttatgt atatatatat 300
tacttataaa tattcaataa cgtattttta atgcttacgt atcattacgt taatatattc 360
aataagtttt taatatatta attacttatt tatatatata taccataatt nttataatac 420
aattaattac atatggtata ttaatgtggt tactatatat aatattatna ttatttaatg 480
ataggtttat gaatattgct attattaaat tc 512

<210> 8011
<211> 408
<212> DNA
<213> Glycine max
<400> 8011

ggtatcggcg tattcactgg agtatgctgc tatcagacca ctgttggtgg actctaakat 60

gttgataaaa attgctctgg aggctgactt caagcatgat atttattatt agagaaagga 120
 ttatatTTTT tttataatct gatatagaat gtaattatga tttattcaat catataaatt 180
 atatctatct actatcgaga tcgtgtgcat caaatattgt tctaattgaa cgacagttaa 240
 caggggtgtca aatgattcac atttagtata ttttaaactc ttttattacg tcgatgatca 300
 tttatatgaa caaaatgtca aatgatgttg cattgatata caattttgca tgtgtaatct 360
 atgtgaaaga gactttcaat ccaacatoga atcttaatga aacattat 408

<210> 8012
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8012

aggTgcgtag cccaccattn tccatagtat aatactggta atgtgtctac tatcattgca 60
 tcgtttttcg tcattgaggt gccactttga gctgccaggt tctccacctt tgggcgtatt 120
 tttgaaagat ttgtgcccc tttttgcaca tggtctgtag ttgcatccta tccaaagaca 180
 ttatactgac actgcctaac gaaggcaacc actaggtcct tccaagaatg gactcgggaa 240
 ggTtccaagt tagtgtacca ngtaacagct acccagtaag actttcttgg aggaatgtat 300
 cagtaattcc ttatcttttg cacatgccc catctttoga taatacatct tt 352

<210> 8013
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8013

ctccttgtct atgcnttcat ctttttgcac ctacgaccaa tctctgcctt tgtcaatgcc 60
 caaaatgtta catgtctcat tgttgtgacg cgTtctggga gTcatgtgat tgcttcgaga 120
 tttgtttata atgttgtgag atatgacatc acgtgccatg agatttgctg aaagtcacaa 180
 attagattca agtgccatga gacttttgtc acaccgctgt gagagttgat agagtacttt 240
 tattttggTc ccccatcatt ccatggatgt ttgggactaa aaaaataata tttttagttg 300
 gtggacaaaa atcaaaagtg tttcaacatt gagggactaa aactaattta agcccaggct 360

aattaactaa gagtctaaga ggtaaatgaa aaanatctct atctaaaaca actactaaaa 420

tg 422

<210> 8014

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8014

tcaaacgata gatacattaa tacacgagta tcattgttgc actgttaggg ttgcggctaa 60

attcaaatta gtggtgactg gcatcatgct aaatattgcc ttactataaa aaaataaaaa 120

tgaaatacaa aattttgcgc ccattttgtg ttggcctact agcgtataac gttggtgtcg 180

agcatgatgc aatgtatagg atattatfff agtcattntg cttagtgtta gtgttgggga 240

aaaaatgtgg atcaagagcg tgaaaatctc aaattctata aaatatgtac ctttattatg 300

tcagtgcacac ctaattttac cttgcaatgt gtgcacaaaa gtggtctata gacatgtgaa 360

agtcactggg tgatgtgtgc aaaat 385

<210> 8015

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8015

accttctcac agtgtgctat atcatcatct gcttgggtat cttattggat tttttgatgg 60

ccattgtgaa attgattggt agtactcttt gcacaccttc aagttgttaa ctttgaaagg 120

gtctcttgag ggtgctgaaa gtgtgtgatt catggggcga gtttgagag gctttagtta 180

tcattgggac attggtatgt gtggaaaata gaaattgagt tttagagaaa acaggggtcac 240

gtggatgtgg ggacatgtag cagaccacac ccaaattctt cgtacatgtc tgcgagagtt 300

gcaagcttga aaagaanaga ttcagattct ttttttaatg gtggatcgca acaaattcaa 360

aatatttaat tattcatatg tagttaataa ttgtttttgg gatctagaaa atgacgacag 420

gaaaatggat agaatgaaac ttaggtatcg ctgtgatgga ta 462

<210> 8016
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8016

agctntaaca tgtcactatg tgtccagagg acctatcctn caatgagctt aattagtatt 60
 cgtgcattac acacatgcgt tcaatatatg gattaaaaca ctggacgtaa gttaataaaa 120
 cacaatgttt tgagtgcatt tatgctaagt cacctaaagc acgtcggatc tcttatgaaa 180
 aaagctatat cttttcaact accttcattg tctctttctc tctcttcacc ctaaactctt 240
 aatcgtcacc atcactcacc attatgacct ttcactttta aaactctttg aaatcttttt 300
 gatattc 307

<210> 8017
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8017

tactcagctt ggtacacgcg gagatttacg tcatctttcg tactcacaag atctgtcata 60
 ctcacatttg agtcacgctg accggcggaa ataccgaggt ggtagccgt ataaacattc 120
 ttcttgctat ctgtaagacg aaaagcctga tagcatgcga agactgacat cgtcttctgc 180
 gcccttcgtc aatcgcgggc gacaagccca ttgacacgcg gagatttacg tcatcttcgg 240
 cgctcacaag atctgtcata ctgacatttg agtcacgctg accggcggag ataccgaggt 300
 ggttatccgt ataaacattc ttttttgctg tctgtaagac gaanagcctg atagcatgcg 360
 aagactgaca tcgtcttctg cgcacttcgt caatcgcggc cgacaagccc gttgacacgc 420
 ggagatttat gtcatnttcc gcgctcaca gatctgtcat actgacattt gagtcacgct 480
 gacc 484

<210> 8018
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 8018

gctgtgattt taactattga agaaaaataa tacactatat aaaaaatctt gatatcggtg 60
ctcattgtaa aatctatcca aagttccaca ttcttcgta tccaatacta taataaagaa 120
tgttttgctg gtttcaaagc tatcccatct tgatttagtg accacacaat gctnttttcc 180
caggctccta gttctcttaa acgggtgattc ttgttctttt taaagagtta atgagatttc 240
ataagatggg tatgcaaaat actgggatgt tgaatcaaac tcaatctgca tcacattcat 300
catttttttt aactatcttt gattatgtgc attgatgtta aaatactc 348

<210> 8019

<211> 282

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8019

tctagccaaa tggacttacc ttgaattaat tcctttgata gccctgttga gccttgtttc 60
cctttccttg ttttgaagct cactacaagc cttaaataaa aaaccatgtt atcaccatat 120
ccttaataaa ttctggagct ttggaattag tttgggaata agtgtggggg gtatttggtt 180
cattggataa cctgttntga tggctatgct tcatgatgta ttttgggcca tacttgatgt 240
acattgtata ttggttaaata gttggacatg ctgaatgaaa tg 282

<210> 8020

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8020

agcttgatt gtcactcaga tcttgactag ttatagcttt ctaaataaaa tgagtttata 60
tccacgtttt actccaaaaa acagtgcgaa tcaagtcact cccacatttt atctctagca 120
ggcattgtat gttggtctcg tcctttgtca cggaagtcg gaaggtccat ataaccttct 180
taactgtaca catgngcac tgcgccnca aatgcgcaag taagaagaga taatcttcca 240
ggctctctg ttcataaatg cattcatatc atgcacgca taagcatctc ttcatggcat 300
cataatgaac atatcattcc cgcatttgc ccgtatcata ttccagcctc acattttgca 360

tgnagtcata catcatcatg catatg

386

<210> 8021
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 8021

ttgagccana atcctgactc accataaacc ttgaccaggt gtgataatgt caatccttac 60
cctcgggaagc aaaaaaagaa tagaggggaa atttccaatc aaagaaaaag agaataaaaa 120
tttccaatga aagcaaaaaa agaaaagaag gaaaattccc caatcaaaga gtgggagaaa 180
gcaaaaaaag aaaagaagga aaattcccca atcaaagagt gggagaaagc aaaaagaaaa 240
gaaaggaaaa ttccaatca aagaatggga gaaagtaaaa aaggaagaag aagaaggaaa 300
gaaagctcct gatcaaggat cgaaagaaaa cagaagaaat gtgcagagag gtctttggac 360
cggacaatat ctgaacaata cagaattgcc accaaatgaa cgantaaaga aggaaaggga 420
accacgacct aaaatagtct tcttccttta ttaccaacca aaatcccggtg 470

<210> 8022
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 8022

agcttgggta tggacaatat caccacacct gacgttccca aggtctcctg acccccgcaa 60
catatctcca ggtaccactc tgtgggtcaac aaacaaaagt aggaagactg actcttccac 120
tctttctcac atcaagctta ttggattatg gggcacccgt cttaggtggt actaggtggc 180
gatcggggcga tggcgcaaac caactttccc acttcacaaa atcanacata aacacaccat 240
ccccagttgt ccacctttca actgagctca cgcactccta cgtagccctt atcctcgttc 300
ctctcagcac cgagtcccca tcaacccttt ccagctttca taatatccaa gcaattcaat 360
cccaaataatc atgaaactac 380

<210> 8023
<211> 452
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8023

tcatgatgat gaatcaagtt gattcaagtt attttgatga tgactaagat gatgacaaaa 60
atatcaaaga atgatttcaa gattcagcca acaagttcaa gatcaagata aatttcaagt 120
ttcatgagaa gatatcaaga agattcaaga atcaagataa gtttgatttc aagattcaag 180
agaagattaa ttcaagattc aagagaagaa atcaagaaga cttcacaagg gaagtattga 240
aaagattttt caaaaaacaa acatagcaca attttgTTTT tcaaaagagc atttctcaaa 300
atTTTctaaG ttaccagagt ttttactctc tggtaatcga ttaccagggt cctgtaatcg 360
attaccagtt gcaaagtttg atttcaaaag cttttaactg aatttgcaac gttccanatg 420
gttnttaaatt ggtgtaatca attacaatat at 452

<210> 8024

<211> 478

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8024

aggaccccca ccacctcggt gcttgacct tgnnntgcan ncnccnngna nttctacgta 60
accgtcgagc accggaatc cttgagtcga cctgcggcat gcaagctggg ttcgaggtag 120
ttaccCGttg aagatcgatg accgatgaag accgaccgag gaccgtcgaa gattggtcga 180
aaccttgGcg aaattcctac cggaaaccgt accggaaccg tttcggagcc gcttcggtta 240
aaatttcttc accgaaccat ttttccagcc aatctcaaga gagagagtgc ctaagggctg 300
acccttttct ctctcacttc tccctattat agcaaatagg gagatgatgc cgccactcg 360
cccggcgagc gggttgcttc tcagaagcac agcttttagag aatatctggg ggccaagggc 420
ctggtgtatt gcacccattt actagacacc accttgattt tttggatctt ttgaaaga 478

<210> 8025

<211> 371

<212> DNA

<213> Glycine max

<400> 8025

ctatgaactt ggaaaggaac ttgaactata ctatagcctt ctcgtgctgg tgtatcttga 60
tattaggcag aggcaattct caaggaacat caagctcact ttcggataag gttcatcaag 120
ttgaatggaa atctttttatc accctcatct tgttcttggga cttaaacctc atgcagaggg 180
ataagggtat accattataa tgattgcata gttggtcata taggggttaat tgaaagtata 240
taattttctct atttttttca ggacagatctt gtttaataat tataaatgga ttcataagctc 300
cttcttgact ttcagcttct acagtgcatt catatcaagt gataacattc tcttttatga 360
ataataacat g 371

<210> 8026
<211> 381
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8026

gacatgtgcc tgagatgcat taaaacctaa tctcaccagg aaagctagat gaagctggga 60
tgacaaacca gtcagtgcg aaagatggaa tcatagtaga gaaagcatgg tcattgctcg 120
aggaaaaagg aaggctcttg tacatcatgc aggaaagata tgcaaattggg agatgaatgt 180
tgttcaaata caaccaaggg attgtggcac aaaagattgt gtcacatgag tgagaaaggg 240
ttggagtttc tagcaggggg atcatttcca aacataaagg ccagtcactt gaaggtaaca 300
acgcanaatg tctttcaaag atcgatgagg ctggaggaga aaataatcta gatctgtcac 360
tagatgttgc tcacgctgaa a 381

<210> 8027
<211> 249
<212> DNA
<213> Glycine max
<400> 8027

tgcaacattt ctttctacac attacatgcc atataactat tgttcgtaaa cagaatacat 60
agcattatgg tgagtctaac aagataagga cacaacatgt tactatcttc atttgtgaat 120
ggaaaataaa tacgaaggaa aattgtcttg cacaaatatg tataatatag catctattat 180
gggccttccc aaaatcaaaa catagcatct attttggttc gacttttgtt gaaagtgtgt 240
accccccg 249

<210> 8028
 <211> 126
 <212> DNA
 <213> Glycine max

<400> 8028

ctgttcaatg gcttcaaag gttgcttggt gcgtccttaa tttaatgact ggtttattat 60
 tattaattaa attacaaaaa cccatgtgaa aatTTTTTtc ctcctccttt tccttttccc 120
 ctcctt 126

<210> 8029
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8029

taggagagat atacagacat tgtggtgcct aggaagctat taccggagag gaatgtggta 60
 gtttattaca ctgagttcga caagttcaag gaggaactcg agagaagaca ctgtgatgag 120
 aagttgactg attgtgccga tggctgtata gacattgcta ttgtgaagga attttacatg 180
 aacctctatg accccaagga taaatcaccc aagcaggtga ggggtgagagg tcatctagtg 240
 aaatttgata aggatacttt gaacacattc ttgaagaccc ctgtagttct ggaagagggg 300
 gaaaatttgt gtacttattc catgtntgca ctcctgagac ctaatcctca ggagttggct 360
 gctaagctct gtatcccagg gagaggattc aagctaaatg ctgatgggca gtctttgaag 420
 atactgatga agaacatgac cactntagct tcgacatgga gcgttctttc cttttctaac 480
 ctga 484

<210> 8030
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8030

tgagatgagg aagtgttgaa gggtgaaact tcctgctntt attgttgacc acagagtggg 60
 acctggagat atgtcgcggn ggtcaggaga ccttgnggac gtcaggtggg gtgctattgc 120

ccaaaaccaa gcttgaccaa tccccgacca acccgggcat agtcggtcag tgagaacctg 180
 tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaaa caagaccaca 240
 aagcaaggag gcttgtggtg gctggccagc tgtgaatttt gtgtaatatg tggattgtgg 300
 cctctggtaa tcgattacca aaggtgagta atcgattaca aggcttaaaa ttgaggacag 360
 gaggctaaga tggctctctg taatcgatta ccaaggggtg taatcgatta ccaggcttga 420
 aaacgaagtc aggaaactt 439

<210> 8031
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8031

tgaatctgcg gccacatcat ggactcctct aaggacaata tcatcatttc ttgcaactgaa 60
 ttgttgggag ttggaagcca tcttctcaat cagattccta gcccacaan ggatcatatc 120
 actaagagct ccaccactg cagcatcaat catactcctc tccatgttgc taagtccttc 180
 atagaaatat ngtagaagga gttactcaga aatcttgtgg tgaggacaac tngcacacaa 240
 tttcttgaat ctttccagta ctcatacaag ctctctccac taagttgcct aatgcctgaa 300
 atgtctnttc tgatg 315

<210> 8032
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8032

actatgaaag ctgccaactg aatagcatgt tattcaacct ttagctttat ctattntggt 60
 cgttacagga tgcacacttt atgggtggagc tcatgggtca ggcttgtgca ttcccactaa 120
 tgaaacgtct catgaagtta attacgtggg aaaccggcct gcacaaaatt gtaatgcaag 180
 cggattttat ggatttcaac atgggtcaacc ttaccagcat cataatctat ggataactta 240
 ccctggtgat tacctcaata gagtccaagg tggggcatct aacatgccac aacaacgacg 300
 gcctagctta tctgagagaa caacaaagct ggaagaaact cttgcttacc ttatgcaagt 360

gtcattgact aatcataaga gcacagagac agtcataaca aatct 405

<210> 8033
 <211> 496
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8033

agacaacaac cggttatttg aacnccatgc gntacactgt atccgttcga gaacntgacn 60
 cnttagacna ccctagaaac aaaccagac taagtttttt ttgtgagaac tctttctata 120
 caaggtgtgg ccttgctagc aacctatfff gaccacatct ttgcaaattt gaggccatgt 180
 atatggttag agaaaatcga acgtgtgtta ctgactacaa tgggtattctt cccagatata 240
 ttattcaaat atatcagtta ttaccctccc aggaataatt tccaaaataa caatacatat 300
 tagctggtga acatactcaa tgaagagaaa attcgatatt ataaactagg gcttaacaat 360
 attagttgtg acaatcatat tattgtggag gaagatccat ggtatacacc tttccaatga 420
 aaagcatcgc ataatctgac tccttttagtg tgagaaaaag aaaagctacc cactttttta 480
 atcggctgct aattcg 496

<210> 8034
 <211> 538
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8034

acccggcaat gagacttgaa tgacngcnct gatanactca agcttataac aacacactat 60
 taactctgtg taaagactag tacagatctt gactctcgtg tactccctta ctgaggacct 120
 tggcgaagac ctttattcac tcaacttgag actttatctt ctttcatcta tttatatgct 180
 cgaatatggt gctgcgcaac atggaacacg ccatcccagt tcgtatatat ctataccgca 240
 cacgtgttct tnatagaaca cgcccanngc tggacccttt cccatgaatt attttaggtt 300
 ctaattagag gcgtagccta tactgaagat actagcgtgg acacgctcac tgggtgcgaga 360
 atgaaatgtg cgtatacatg atgaatcaga cagcttccat ggatcccata ggtgtcataa 420
 ctatctacca gggaacacac aattgagacg tacttgccac caataatatt atcccgaata 480

ttgtggctac ttgctattca atgaaccgaa aacaattctg attggaacca cgatgacc 538

<210> 8035

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8035

gcaagctcgc cgcccagctc gcccaggcga gcaagggtgc ttcctccaga aggaacggcc 60

caagtggggc tggttgctat ttacaccccc atttttacta aatgcacccc ctttctattt 120

ttttgtaatt ctttttccgt aacgttacga aactttacga attccgtaac gatacttatt 180

gtccttctgc aaggttatga atccttacgg attatgtatt tactcttttt tagctttcga 240

agaagttacg gaaacccccg gattgcgcaa aaacacctct tttcgacttc cgccacatta 300

cggaatttca cggatcgcg angcctcgct tcttttaatt tctgagacgt ctcaggactt 360

catttactgt gcaac 375

<210> 8036

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8036

tataagaaca aaactgcctt aatcatttcc aaatatgcat gtgatttang acgcatcttc 60

aagaatcaag ccaaggctat tgtgcaagca atcaatgggg ccaaacacac caaatgatta 120

taatgatgga tggctcaaat tctcaciaag gtaaaatcat cactttcaaa ttgagctttc 180

aaaactatca tgacatgtag agaagaatca acgatttcna gtcacaaaat gtctagaact 240

gttatnttca aaacaattac ccatttcttg aacatatacct ataattcaaa gaaaaacatg 300

caaagtcgta cgtgcacaca aanatgaccc aaaatattaa actaaaaatc cgacgaaact 360

aacaacatta acaaattaac aaaaccattc aaactagcan aaccaaaagaa cacttcccc 420

catacttaaa caacacattg tcttcaatgt agcacaat 458

<210> 8037

<211> 325

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8037

agcttatgcg catacttctt tacgaacgtt ctcttgcaca agacattcta ttaactaaga 60
 aaatgcaccc atatacaata aggcaccttt cgtacctaaa atatttacat gtactttcca 120
 ggtggatttt gtaccttaat aacacgcatt ttctttgcgt aatttacata catgcctact 180
 caaagcactt tgctatcaaa aatgcatacg tgcacattct gggttttcta atacctatac 240
 atacacaaac ttcattgatga atcttgacta tctacacaat aagggtgctac atntcatgct 300
 cttttcaaag ttttttttac tacct 325

<210> 8038
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8038

ngtgcagatc aaatcactcc tacatttcat ctctagcatg catcttcttt ctttaccac 60
 tcctcacgtt tggttatttc ggggagaaac accataacta aacgcaccgc aagggatccc 120
 tatcgacca gatccaaatc tagaacgatg ggtgatcaag aggagactca ggaacagatg 180
 acagccgaca tgtctgctct gaaagaacaa atggcctcca tgatggacgc catgttaagt 240
 atgaagcagc tcatacagaa gaacgcggcc accgcgccg ctgccagttc ggctgccgaa 300
 gcagaccgca ctgtcttggc aactacgcac catcctccct caaacatagt aggacggnga 360
 agggacacac tgtggcaciaa tggcagccct cacctgggat acaaccgagc ggcttaccc 420
 tatggatngc cgcccaacta ttcaccaccc gtc 453

<210> 8039
 <211> 374
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8039

nggtttgacc tttcaatatg taattcagaa gactttttct ctatgccagg gaagttctct 60

gtaaaaacaa tctttcgtct acttttcggtt agtttggtaaa ctaacctcat tcaaaagtgg 120
 aactttctga ggtgatactg tcaaaatctt ctgatcactg caaaaggact ctttgatgat 180
 taactgtctt cattgctttg taaggaaaag cctggcagtg tgtttcctat accactgggt 240
 tgtatcgcat ctaaggctac gggctgcaaa ctatgagagt cataattggc acattatatg 300
 tatgtaaaaa aaaaatagga cgggtgtgtac tcaactgaaac aattcatgtg atggatatgtc 360
 catcaagatc tttt 374

<210> 8040
 <211> 542
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8040

cgctacggcn cttgacccca tgtattgagt gacactctat atacgtgaca ctatagatta 60
 ctgaagcggt gagctgtgtg cactgccatc ttgctctaaa ttcgtttgac ctacagagta 120
 gtcacaccgc tagactatgt ctatagttag tcagtgataa ctttatatga cgtgatagag 180
 ggctgctata tgaccattaa caagctggag caatccatac cctacccgag catattcgat 240
 catttacatc atgtaatgtt atttgatctg cgagctcctt tcttactaca catngaaggt 300
 acctatcacc aactgtaaa gaggatcagt gaagggtggac atgtgtatgt gtatgataat 360
 gagtagaatg tgcactctgg ttattctata ctgagtagag tgagttaggg acgaggctca 420
 aactagaaga ctggtcgcat catatgtctt tactcattac cgggagatgg gtaggacttg 480
 ctnagtatta acatggagct gaggcccatc tgttatgact gcagctatag agttctctta 540
 tn 542

<210> 8041
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8041

agcttaacac taagaaggta taggccatga ttcttgcaac tgcctctgga ctcantttgt 60
 ggagaaggcc tgtgggctct tccgcttcca ttcttgctct tgccaaagtt aaccgccta 120

tctngcatga atttcttgct tcttagaact tgatcaacta catcaaacca atgaatgccca 180
 taattagtta gtttaattaat actactatat atggttagcag gtacacttca tacataacca 240
 aaatgctata aatattccaa gtgtctggcc attgtgctta ngaacattgt attattgctt 300
 actacaactt tgtaggaaaa gtcagttcct gtttaattgat c 341

<210> 8042
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8042

tanacactcg tgttatcgat tacgatcgtc ctgtaatcaa ctttaacaaa gaggtttaac 60
 tatagaggaa atcttctaac tttagaacta ttctttctaac ccctacatga tgatgcatga 120
 tgcacatatg agatgataga gactaagatg ccccgcaagg tctaacaatc aatacagatg 180
 ccactcaaga gagttgggca tgtaaagaat aaaacatctt atagctcttc ttcaagcttc 240
 aaggctaagt actcatgttg ctctactat gtctaacaat attttcatgg cacacaacgt 300
 atctatttat atagaagaac atatat 326

<210> 8043
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8043

agctngtgac tctnggcaat ttcttcaaaa ctagtcaactt aaaaaagttg tgacttttga 60
 aaaaatcttc agaaacaagt cacttgaaga attgtgactt ttggaaatgt atnntttcga 120
 aataagtcac tgggtgtgtaa tgcattacac atcaacagat gtgacttttc attttgaatt 180
 ttgaaaatta aaacatttag aagctttggg aatcaattac aagtattgtg taatcgatta 240
 cacaacgtta aaatacttta aaactgttta aacataagtt gtaactatth gaaattgaaa 300
 tcttaacgtt ttaaaacact ggtaattgat tactaccttc tggtaatcaa ttaccagagg 360
 agtaaactct ttgcgtatga 380

<210> 8044

<211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8044

nnggccttga tttcgggaac taattntctg gaactaatta aatagtcttt atttgctgga 60
 actaatTTTT atTTTtaaat tTTtaagatt taaaaataa atattgagaa gaaaatatta 120
 ggaattttat aattcctaataa tattaatatg tgctacatat tatattataa tatttatatt 180
 agttatttag ttcaatatga agtgatctat ttaaataaac ccattagatt gtaagaaaat 240
 tgatatgggc ttaagtttgg tttatttagga aataatgaag atcttaatag gtttaaaacc 300
 taaggcatag ttatagttcc caatacacca aatcaataaa tagtttctca tc 352

<210> 8045
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 8045

agcttaaagt atgcccattg cattcatccc tatgtatatg ttgttgaagt attggcgatc 60
 agaatggcca ctctttggat tatagggatg aaccaagctc atgcttatac aagaagggtc 120
 atcacgtcaa gttgaaatat ggaagtaacc gtctggcaca attgggcaaa agatgaatcg 180
 agtcacatca ctgcttcgtc tactgcaaaa catatttacg attatcgatg tccttgttac 240
 ttacaagttc accttgacaa agatgtcatg gaccatgttg aaaatctcaa ttgatcaac 300
 cccatatctc gcgtgaaaat tcgaaatac 329

<210> 8046
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8046

cttaggggta ttgcttttgc cttaaggagt tgtaactcat ccactactc ttcttcatga 60
 accttttagtg accccagaag ttcatcata gccagatttt tcaagtcttt ggcttctggt 120
 atggaagtga ctttttgtct caaaattttg ggtagacttc tcagaactta ttcgattctt 180

tgatgtgttg catacctttc tcccagaaca ttcaactcat tcaccaccgt attgaatgta 240
 gtgaacatnt cttttataga ctcatgtgtc tgtatcttaa acattcgaga gttaaaatat 300
 tgacttttga gtcttttacc cgaactgtac tgtcatgtga tgatttcagt gtgttcaaaa 360
 cctcttgagc aggttcac 378

<210> 8047
 <211> 147
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8047

tgntactgt gattctatca attcaatact ttatattgag ctctgtatca gcttccgtac 60
 tcaatgctgt tattcgagcg gccatctata gatgaacaca cgaattgatg tgcgattggg 120
 ctagccttat agtaaccggg acatgaa 147

<210> 8048
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 8048

gagatattcc aactctctca tgacttgtgc atactcaaaa ttttcattcc tctttgcaac 60
 aacaattgtc ccatgttggc ccttccccca cttctctagt ctttctacat ctctcatttg 120
 tgtctttgcc ttgtaatttg actcctcaag catagaagaa agatggtttg ctgtcttctt 180
 cgcattcgaa agctcagatt ctgcttgagc ttttgagat tctgcagtcc atttgctctc 240
 cttgtacctt ccaatatccc ttcttgctct gaggagtcc tttgttcttg aagagggctt 300
 ctgagaattg tgagagacaa aaagaattaa agatttgata aaaaaaatg cttcaccagt 360
 tcacaaattg caaatacata agagagggtc gcttctgttc tctgaagcta aacatacctt 420
 atcatcatag aagttaacag cagcattaac tgat 454

<210> 8049
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 8049

gctttatcca agggacttac cttgaattaa ttcctttgat agcccttttg agccttggtt 60
ccctttcctt gttttgaagc tcactacaag ccttaaataa aaaaccatga tatcaccata 120
tccttaagga attttgagc tttggaattg ttttggaat aagtgtggg gggttttggt 180
tcattggata acttggtttg ttggctatgc ttcattgatg attttgggcc atacttgatg 240
tacattgtat attggctaaa tgttgacat gctgaatgaa atgttgtttc tcanaggcta 300
tagaaaaaaa atcgaaaaaa aagaaaaaga aaagcaataa agttgagtga ataagatcct 360
aaatggcaca agaattgatga aactcttggt tctactctct atgtttaatt tttatctnta 420
cttcttttta ttctcttatt ctttttatta atatgcactt aattccc 467

<210> 8050

<211> 428

<212> DNA

<213> Glycine max

<400> 8050

agactctgac gggttgacat cgtatgctgt tcagagttcg tcaactccaac tttgtattat 60
ttacagactt gacggataga aactatggcc tgtaaatgac gtcgtagaga gatgaccgat 120
ggagcattaa acgtgattca acttctagct gatcaagcac tttgcttacc ttgcttgatc 180
aacactacgt ctgctatgat cactagtcca atcaactttt acttctgtta cgttgacgga 240
gcctaagacg gatgctccaa catcttatgc acagatgac aagcactcga atcatgagct 300
taaccttta tgcctgacat aactaccatc tatttagcca tgcttgatac atcagacta 360
catagcac tatcatatgc tagttttag atgcaaattg tgaaacttag tatctatttg 420
tatcaaat 428

<210> 8051

<211> 482

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8051

aggacgcgc nattggagcc cctgcgaatt gacnccctg cgtatatagc ngacactcta 60
caataactcaa actctgagat ctctgtgcct gtgacgggac tggctctgaa acatttatcc 120

acccatctcc tgacttgacg atgatatgag ctttatacat tcttgctttg atcctccggc 180
 cgatccttag attactgtca ttatcttaac ggtcaggact ctatgacttg ttattaacct 240
 cctgaaactt cagaataccg cctatggctt ctgatacaac tcgaactctt tatacatgct 300
 acgtgttgta aactactctt tttcgctgaa gattctctcc cggatcggcc gcatatcaag 360
 ctgccttaat gcgagaatct acgtctccgc gctcgaatcg ccagagcaag atgtatcgat 420
 ttcttgatta tagactaact cagcctattg aacaaaccca atcgagtctc tccctcccac 480
 cc 482

<210> 8052
 <211> 176
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8052

agcttcatga tgatgaatca agttgattca agttgttttg ctaatgacaa agatgatgac 60
 aaagagccca acgaatgatt tcaagagtga gtcaacaagt tcaagatcaa gtttaatttc 120
 aagtntcaag aaaagaaatc aagaagattc ttgtatttaa agattcaaga gaagat 176

<210> 8053
 <211> 83
 <212> DNA
 <213> Glycine max
 <400> 8053

atctgctcaa caacatagac cacagactct tgcaacaggt gtctgatttc tgattcatgc 60
 ggagctgagc taccaagttg acc 83

<210> 8054
 <211> 351
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8054

gtaagctatt taagctgagt ctagtcacat aagagggatt tgaggatgaa cctaatttaa 60
 ggtaatctaa accctaggag gcttgtttaa ttgacccta tccaacaaga aggatctgag 120

gacaaagctg gattgattca tctaactagg atcgagggtta ntaatttagg ctacacatag 180
 aacacaaatc atgattgtta gaaaacatct tatatgcata ctgggttattg aaagaccaca 240
 ttttactact actgtattta ctactgcatt tactgttttag acagactagt taattgtcta 300
 atcatattat aatgttcttt acatgctttt ctgattaacc tgctaacatt n 351

<210> 8055
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8055

tcttgcgtag ccgctcttgg tgctcagaat atcccagaaa caaattcctc ttattactag 60
 ctattctgaa ttcttttagtt cctgaatgta caacctataa attgatgctc gttccccctc 120
 ttggtttctg caaaaaagaa aatcaatatc caagaaaaca tggatgaagt cctaaagatg 180
 ccatgtacat gtgtatttct gaagatatag tatttatatt ccatcaagca tacattgact 240
 gttgattaca tgtaatagac tttntataac atgggttgccc caaatcacia ttaataagca 300
 caactaccaa tctttc 316

<210> 8056
 <211> 404
 <212> DNA
 <213> Glycine max
 <400> 8056

tagtcatgac taatgaagat gtacctctca cttttgtcat ccaacttggg tctatttcat 60
 ttggatatgtg cacatgacca atgcttccaa aaacttttag atgtgaaatg atgggcttcc 120
 tttcattcca tgcttcttgt ggtgattttc ctcatacact tctttgtgga gactgggttaa 180
 aaaaggtaac tggacaagcc actgcttctt gccaaaactt ctttggaag ttttgggtgga 240
 tcaagtggcc tcagaataat taagaaaggg ggggttgaaat tattatttct aaacccttac 300
 taattaaataa ttactcttct taggccttta cttatgttgt aaaaaaatat tgagttgaag 360
 agaaactaac agaaagtaaa agcggaaatt aatgcacagc ggag 404

<210> 8057

<211> 214
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8057

tatgcgacag tgacgaactt aatgcataaa ctataccatt attggatgta ccatgttcca 60
 aatattactc tcaatgcaac tactntatct cctcgattag tggcaaccac gctgggtcgcc 120
 tcttgcccct ggctcgttca aatgtaacat tgatgtatcg tgtatagcat atcatcacac 180
 ctgcaccctt gagatgggtg tatgcctttg tgat 214

<210> 8058
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8058

agctttagg ccttagatct tcttcatcaa tgaagtcnt tgcttcttga agatcaatgg 60
 cagcggaatg gagaaggagg aaaggtgatt agagatgtca cttcaaggaa aaaatgagtc 120
 aaaatcaagt tcaccaccat aggaagccat ggataagagc tagaaagtat ggaaagatga 180
 gtggagggag agggagaaaa aagaggggtac cttagtaatg taggattttt cagcccttgt 240
 attttangac acttatanct agttttgtat taagaaataa tttataattt cacatgcatt 300
 aaatgtatta tttgatgtgt gtatgttggt agataaaatt aattgaatta gaagaagcac 360
 aatgcacatg atgtactacc atgtgagatg tg 392

<210> 8059
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8059

tcgagatctt cgtgcctttg acggcgaccg gtttgaatcc atttattcac gcatctctgt 60
 atttgacgat gatatgagct ntattcatcg atgctctgat actcgcgccg gtccttaaag 120
 atctttcatt atcataatgt taacgacctt atgactcggtt attcacttcc ttaacacttt 180
 agagacatcg cctttgggtga tatgtttaga actcgggtact tttcaatcta tgttacgttg 240

cctttaaact actattgatc tgtctgaatg attctctgca cggaatgagc ctgctatatc 300
aatcgtagcc tt 312

<210> 8060
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8060

aactctattg tgacattttt tgtgctcgtc accagaaaaa catttgtaca ttaccaatta 60
acatcctctt atatttagct ctttcactaa ttaaaacatt cacagcggtc cattcatatg 120
tttaaccaat catatctcta cacaacacta accattaata tgatgaaagt gtactctcaa 180
ccaaattatc accatggaat cggatgcatg ttttaataaga ctagaagagt attcatagcg 240
attgacgact tcgaatattt ctatcaataa aatcttaata tgaatctctt ttaaaaataaa 300
tcatagcgct gagctcttta tcaactatga ccgacaaaaa nttatcattt atctaattgg 360
tacaggagaa tatgacacgt tacataatct ctaaacctat a 401

<210> 8061
<211> 458
<212> DNA
<213> Glycine max

<400> 8061

cccaagatat tcagttctta ctacagaactg tactaagcat gtataactaag tgctattaac 60
agcttgcgta tgcacctcgg actgtgggtg acaagtgggt gaagtaacaa tctattgccc 120
tactcgcttc acgagtgcta cgctcttggc ttatgatctt taagctccta tcaactaacta 180
tgctgccttg gtataccatg gagtctcaca gactacttag ataacatatc agccccatgg 240
gaagcatctt catcttgatt acttgatgata caatgatcca ttgtacagac cctgtctact 300
cccacgcaaa tggtagtcct accattgctt ggtgatagct gcccgcaaac gtgactcatg 360
gttgaatctt tcgtgagatt cttcagaatt ggcagtggag atacattgca tgaggctgaa 420
cgtagactat gactttatca acagtgattg ctccaaag 458

<210> 8062

<211> 446
 <212> DNA
 <213> Glycine max
 <400> 8062

gttcgaagga cttttccgtc gaagatctta taaccatgaa ttaccaatga agaacgtctg 60
 agaactggtg aaacccttcg caaattccct actgaaacct taccggaatg gtttcgaagc 120
 gtctcgggtt tgattttctt tcccgggaacc actttttcca agccattcta aagaaaaaga 180
 aatggcctaa gggcctaacc ctttatcact ttactttctc acctatttat taccaaataa 240
 gggagatgcc tgccgcccaa cttgcccagg ccaacatggt tgcttccttc agaaacaaca 300
 ttcttcttga agaatcttct aaaagggcca agtggggcct gttggtattg gcccactttt 360
 ttactagacc cccccctgct tttttggtga ttctttttcg aaagtaccga aactacggat 420
 tcgtaccatc ctggtttctt ccgtac 446

<210> 8063
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8063

gcttgacctg tcaggctaag cgccattngc ttctgtaagt tttcattnga ataaggctaa 60
 gcgcgtctgt gcgctaagcc cttggtgtgt gttgagctaa gcaccctgct gcactaagct 120
 caactctctc actatctttt aagtttttgt agttaggcta agcacgccct gtgtgctaag 180
 cccgagtgtt attcgggttga ggctgagcta agcacgccat tctgcgctaa gctccaactc 240
 tctttggttn tgaaaattgt agacttaggc tatgctcagt tgtgcgctaa gcctactctg 300
 cagaanaaaa tgttctctgt gtcttcgagc taagcgctag tctgctacac ttagtgccctg 360
 agtaaa 366

<210> 8064
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 8064

agcactctat tagtgagaaa gcttctcctt acatggctct attctctagt ggatggagcc 60

tgctctcacc tcttacccta tatcttctgc tgcaacaaca tagactgaga atcaccattg 120
 aaggacttta ttgaagctca aagatccaac ctccatagaa gcttgtcaag aaatatttca 180
 tcaagaaaca cgtcgaagta acaacaataa catgaaaagt ggagcctagg cactatatag 240
 ttgtgaccat aaatcactcg ctctgagatg tctcttgta gtcttgtgct ctgcacaatg 300
 atcgttgagt tcttcttaag gatgggatgc aatcttaatt aatactgaca ggatgaatag 360
 agagagaacg aaacaatcaa ccactctaac accagggttag tcttctacct ctgattatgt 420
 ttcaactgat 430

<210> 8065
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8065

agctttagg attatggtgt acccatcaca tgtggtacta tgtggcggtc gggcgatggt 60
 gcacaacaag ttntccacat ccacaatgcy cgcataaacc caccattccc tgtagccac 120
 cttcaactga gctcacgtac tcccacgtag cccatatact tgtttctctt aacaccgggt 180
 ccccatcaat cctcccaagc ttccccaaca tcaaagtaat gcaacattca aacagcacia 240
 actatcacag ccaagaaaac agagcaaagg cagaatactc tgccaaaaca ccaacaaaaa 300
 tcacagctct tctcacttaa agaccccagt aacaattcct tcgttccaat tcgttaaccg 360
 ttggatcgac tccaagattt tactggaagt ctctagtaca taagcctacg ttttgaccgg 420
 tgggatctac taac 434

<210> 8066
 <211> 303
 <212> DNA
 <213> Glycine max
 <400> 8066

ctgccagata acatggtatg aactctacct aggattattg ctcatgaca taataaacta 60
 aatcagtgcg gtgtgatctg cacgaatgct cttaccatat tatagggtga gactcgtaca 120
 ctgggataac catctgacag tctcaatata taaacgttat gcgggggtggc atcttgtgag 180

aagctgatcg tgtaacgtg gtctataagc actacggcgt actcatagct gtgatacatc 240
 taccttacct acaaacctga aactgaccgc ttatcataac aaaccgaata ggggggatgaa 300
 gac 303

<210> 8067
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8067

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 tgggtacctg agatatgtcg cgggggtcaa gaaaccttgg ggacgtcagg tgggggtgcta 120
 ttgccccaaa ccaagcttga ccaatcccgga cccaaccogg gcatagtcgg tcagtggagaa 180
 cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aaaacaagac 240
 cacaagcaa ggaggcttgt ggtggctggc cagctgtgaa ttttgtgtaa tatgtggatt 300
 gtggcctctg gtaatcgatt actaaggggtg ggtaatcgat tacaaggctt aaaattgaag 360
 acaggaggct aagatgggtct ctggtaatcg attaccaagg ggtgtaatcg attaccaggc 420
 ttgaaaacga agtcaggaaa cttatggag 449

<210> 8068
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8068

ngtgtattgc tgcattctac taatatatgg aattgcccac tgctttgcct gagaataaca 60
 attgcttgac cacaacagcg ctggaggcgg caagggacaa tggctcttca aataaaccta 120
 ttgtacacga acaaacatta tatcatgcgt tgaccgtgcc aaacgaacca gcgaagtcac 180
 tgcataattg ttatactaac tatattcaat gtacctgaac aaaatgattt ccaaaccatgt 240
 gaccgacaca tatgatgcgg tggccagaag aatcagggtg tggttgactt ctaagagggga 300
 aaaatgtcat tgcttggtgt cgggacaacg atacaaggat tacgttatac cgtgaagcaa 360
 tcacatatcc catgtccgtt atatccatcc actntgtcac actaacnctg aatgaaccaa 420

acatacacat gtnnagtaat taaacattgt tattaataaaa aa 462

<210> 8069
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8069

agcttagagc atgtntgtat aggagttcaa tttaacgcaa ccaacgttca cgcaaaagtt 60
tcagtatacc tgcgttgccg attttgcttt gtaaagcatg tttgtctcgt tgaacgtgga 120
tacaacgagt acccaaacac aatcttaatc aagaaatgat gtaaaaggga tgcacttttt 180
tttttaaaat gatgttttat agaaaactaa acaacagcca aagaggctag agctaaaagg 240
ttacacaaac attacatgag actaaaaatg tcattttaga agaatcaatt cttcttaaag 300
agcttaaaact aaacttttag gtgaatgcta atgaatgatt tcattacatt tctaactactt 360
ttctttccct ggttggtagc aaattttcta ctctcaaaca cattatcaat acaac 415

<210> 8070
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8070

tcactgacta ctctnttctt tgcattgtta tcaacatntt aaattagtaa acttaaatat 60
ttacatgaca aaaggtggta tttcttcata ttagaaagta aaccttcgtg cagttataag 120
gttgtaagct tgtgacctga tgggtcaaatt tactaatctc agaagcaaac tctcttatta 180
tgagagggaa acgtggatac atcttaccct ctctatatcc tacaatgctt gcaaactngt 240
gtattggctc acccatcatt actcacttcc attgggtaag tgacatcaaa ctcttaatca 300
ggttcataaa tgtctctctt tctccctaac agcttgtagc aagcaaacat gatgatgggt 360
tttcttctc taaaaactnt ccccttttta cctttgtctg gtctc 405

<210> 8071
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 8071

agcttgagaa tggagaatng cactaagcaa tcactacgca tagttccaaa ctogaagggtg 60
 gaggacacat gaacgaaaac acaattcatg gggctccgaa naaggggttg agaattggaga 120
 attacactaa gcaatcacta cgcatagctc caaactcgaa ggtggaggac acatgaacga 180
 taacgcaatt catggtgctc cgaaaagatt gagaatggag aattgcacta cgcaatcact 240
 acgcatagct ccaaacgcga aggtggagga cacatgaatg aaaacgcaat tcatggcgct 300
 ccgaaaagaa tgagaatgga gaattgcact aagcaatcac tacgcatagc tccaaactcg 360
 aaggtggagg acacatgaat g 381

<210> 8072
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8072

gacactatga atctcagctt taacanatgt cttcacaaat aatcatcaca cagcaganaa 60
 ctaacttaac taccctcat atctccaaa accccatacc cacgaaattt aagagagaaa 120
 gaagtccacc caaacctgga ttttcgaagt cccactcgta gccacgcact tcacgacccc 180
 gaaaatgcc tcctttcgcg atttggagca gaaatgagca ccaaagggttg gagcttttgt 240
 ggggtttcaa tggagaatgg aggagaagga aaaagcaacg tgaggaagag ggagagcttc 300
 tgaattttct gttttggctg agtgaggaga gagaaaagct ctttgggtctt aaataaaagg 360
 ttttcctctt tttctattat tttattcaag ctctaccaca tgccctatt tgattggagc 420
 aaaaagggcc cactttctct ttttgactgt gaccatact cagtcacaaa agtg 474

<210> 8073
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 8073

agcttataat ctgagaacag agttgtttta catgggaaca aggagataaa ctctctcttt 60
 ctctctctgt gtgatgttat tgttattaca tcatcatctt taaactccct ttgaaccact 120

gtcaaagtaa ttatcatggt gaacaaaagt cctttgaatc cttcaagctg agttgatctt 180
 ctcatcaata agcattggaa gcttggtctg gataggaccg acatccttca agggcatgtc 240
 tagaatctgc aatagttgaa aatgacatac atatacaagc actgtgcaaa ttgcaagtac 300
 caaaaaagag taaagtagca tagctagaaa aagtgaatgc agaacaatat gttattgcct 360
 cattgggttt actcttggtc gattttaccc caggtggaac accgcacccc acccttctag 420
 ttttagcag 428

<210> 8074
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8074

nggacagttc agcagaccac aggtttgtgg ttaggattct tccctcagga acccaatgag 60
 catatacatc cttcaatggt tgaatggctt tttggccttc tgggggtctcc ctgcctccaa 120
 tgaggacacg gtccggattg aaaagatctt ggattgcagt tccctcagca aggaattcag 180
 ggtttgaaag gatttggaac ttgattccct tgccattgtg agtcaaaaatt ttctctatgg 240
 cctcagcagt tttcacaggg acagtggatt tctccaccac aatcttgtca ctcttgata 300
 catcagcaat catgcgtgct gactctccc agtacgttaa atccgcgccc ttaccggctc 360
 caagaccgcg agtttttgtc ggggtgttga cagagacaaa cactatgtct gcctcataga 420
 catg 424

<210> 8075
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8075

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 ggaattttgt gccctggcca ttctgtacaa gtgtgtagaa gctaacatag aaggtgtacc 120
 ctaattctac acaagacagg ctttaaatac gctctgaatt caaaacgttg cgcttagcgc 180
 caccctcacg cttagcgtga gtaaggggaa ttgggcttag cgccagtctc gcgcttagcc 240

tggctaaagg cacctgctgc gcttagtgca ctaatctcgc gcttaaggcg cgactttgat 300
 actgatgctc tgccagattc tcctttgcgc taagcacggt gaagctgcgc ttagcgggtgg 360
 tgtcataccc taatttcac cgggaacccat ccgttggttg gatgcgaccc tcgtttgacc 420
 acttcgaggt acttggcacc catc 444

<210> 8076
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 8076

taaagtatgc ccgagtcatt catccctatg agatgttgct gaagtattgg cgatcagaat 60
 tgccattcct tggattatag gggtgaacca agctcatgct tttacaaaaa gggtcatcaa 120
 gtcaagttga aatatggaag taaccgtctt gcaaaattgg ggcaaaagat gaattgagtc 180
 acatcactgc ttcgtctact gccaaacata tttaggatta ttgatgtcct tgttacttcc 240
 agtttcacct tgacaaagat gtcattggacc atgttgaaaa tctaaattga ttcaacccca 300
 tatcttgctg aaaaattcgc aatacttcaa ctgtgcatca ttcgcatgca tccatgcttt 360
 tcattgggtg cattgctcgt tgcattcttt ccttgaaaaa taaaataaaa tgaacttaat 420
 c 421

<210> 8077
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8077

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 gaaatttcaa gatacgtaaa ctagagtttg tgagccgtaa aagcttgctc cttttcactc 120
 ataaaagtga gaacacaagg tggctattta tagagaaaac agttgcaatt gtctgtaatc 180
 gattaaattg gtaatgcaat agattatctc aaagaagtaa tcgattagat tctcacttta 240
 attgattaaa gtgttcttcc caacacctga aaagctttga agaataatgt aatcatttag 300
 atttttgatt taattgatta aagtgttctt gatcacttct gggaacactt tcaagaacaa 360
 tgtaatcgat taatactccc acataatcaa ttaaagcaga gactcaagaa aacaaacatg 420

gtctcanaag aacagagtaa tcaattatag gtata

455

<210> 8078
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8078

ngnganaggt ngcaagagat tattaagagc tatccacata atggcattac tcaacaaaag 60
ctagctcgta ttttttatgt tggagtgtcc tcaattaata ggggtgagttt ggatgttgct 120
tgtaggggca acctcatgtt aaaaccccat gttggtgaaa tcaaatcat tgaagacatg 180
tgttctatga aataacaaca atcacactag aagaggggtt gaatagtgtg tcaatcaaag 240
atcaaataata tttttgttc aactgtaata tcatagattc atatatatat atatacatat 300
atatacacac acacactaga attgtaaaaa aaaaaaaca gtttaatagt ccaataaata 360
tatgaagtaa gaagtttaaa aggggttttca aatagacacc aaacacgcta aagaaagcta 420
agagaatact tagtaaaacc acttcagaga gacatagaaa ca 462

<210> 8079
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8079

agctntacat tntcgtgaat gtgacaatct atttcttagt ggattgattc accttaacag 60
cccacaaaat catataagca taattagatg caacaactca ctcactcca atcttcatat 120
gattgcacca aatgaaagcc caaacactga tgagaatgtt atctcacatt catccaacat 180
ttccataaag aactccaaga tggaaattgg taaatcatat ataagttaca atctttaatt 240
gcataattat tatatcttgt ccttaaataca ttcaatgaga atgcatagcc ctttaattcc 300
tagtntttt tataaggcta ctcaagtggg agatcctctc ttnaattttt tattaaaaaa 360
tatgtgatgg taaatattca ttttctcatt aagttgcaat cttatgtata aaa 413

<210> 8080
<211> 453

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8080

```

ggcttgtggg gcttctatgg aggctggatc nttgagaaga tttctaaaga agctagagct   60
tagctacaca cacccttat aatagctaag ctcacctcct tgagaagctt ccttgagaag  120
attcctaaag aagctagagc ttagctacac acaccccta taatagctaa gctcaccccc  180
atgccaaaat acatgaaaat ataaaaaag tccctatttc aaagactact caaaatgccc  240
tgaaatacaa ggctaaaacc ctctactact agaatggcca aaatacaagg cccaaaagaa  300
ggaaaaacca attctaacat ttacaaagaa gaatggatcc aaccttgacc catggggtca  360
aaaatctacc ctaagggtca tgagaaccct agggcctttt tagtagctct agcccaagcc  420
tcttgagatc ttctatccaa tacccttggg ggg                                     453

```

<210> 8081
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8081

```

agctttcttg tagatcaaat tccctaattg gaatggaata ctcaatatga ttaatactaa   60
taagacacta catatttgca gaccacaaat caatgcagct atactttctc atttccacac  120
caatttttga tcatgttatt catttgacaa aaatatgaaa ttaacctaat tgggtgaaca  180
aaaccaataa agcacctgaa gactagaaca aaaagtataa tggttaggta gagaagaacc  240
tgtcgaagga acagtaaacy acgtgcacct agtcaccac tacaaaacct aatgcacgtt  300
tcgcaagagc tacaatggaa ataccatgaa atagttcaaa ataccaatng ggtgtacatt  360
gaatagcagt tcctttttca ttcaacccaa taaagcatca nagttagagg cgataaatag  420
atagtgat                                     428

```

<210> 8082
<211> 452
<212> DNA
<213> Glycine max

<400> 8082

tggtgaagtt gaagtggaag tggagtaata taatcaaaga gcttccatgg gagacaaaat 60
 attttagagg aattatggct gaaagtggct gaggcctaa atcaatgatt ggtttttttt 120
 ttgttggtga ataaatcaaa gattcgtttg gtgaaacatg tttttattga aaaactatat 180
 ctggaatggt gttggggctg ctttatgatt ctaaaacaat aatttatatt gtgtacgtac 240
 gtatcacttg aaaagtgcgt ttagattggt gtggttaata tattttaatt aatgtatata 300
 catagttggt agcggctgtg tgtgcccggt ctgtttgcac ttgtcatgat atctttattg 360
 ccggttgaag attatttcca ttcaatacat aagtaagata agcaatatat atatactttt 420
 taatattata ttctttatta ttattattga aa 452

<210> 8083
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8083

agcttggttag ttgtgtggag ccacactcaa cggtcttggg atatttatga gggcattttg 60
 aagggtatga acaagttgaa ccattccaaa cagtaacatc ttgagcaaag atctttgagt 120
 gagaaatctg cattttctgc ttttaaccctc tctgtgagag tgaccactt ttgtggtgtg 180
 cttggtaatt tgtaaaagac tttagataga agtgagatat tntattcctg aatggaatcc 240
 ctctttcgag gtgaagacct atattttgtg caataaacac atagatcctc attntttttt 300
 gtaagtctag tagtggctgg aaaatttgaa atccaatggt gttgctagtc tagttgaggg 360
 ctagaatgaa ctccagttgg agaactgaca gt 392

<210> 8084
 <211> 328
 <212> DNA
 <213> Glycine max
 <400> 8084

gctgacagta ttataatcta attacgttgc caagtgtgag ttggatctta tttggtaacc 60
 atgaaacaaa ttgctctata tagctgatca atgaaggtgg gtaagttaag tttgttctctg 120
 aacctatggc catgtagcac ttgagaaata ttgtggcact gaagtacttg agtaatcttc 180

caaggtcact cgttcagggtt gctcttcaac catgacttct gctctacact ctgtagatgg 240
acattccctg gatgtaggtg aattacaaga tgatgactca taaaagtgag cctcttcaaa 300
gattgaagct actgttatgt tgtgcaaa 328

<210> 8085
<211> 330
<212> DNA
<213> Glycine max

<400> 8085

gagagtcacc tgaggcatgc aagcttgtat ggaggatata cttatatatt aaaattcttt 60
ttatgacaac tgggttttatt ttaattttta tttttttggc taaataataa gtttaaaacc 120
taaagttagc ctttctgtag gtaaagggtg ttacagttac ccttccctaa cccactaggt 180
caccattttt agggggaagt cagggttcac cattctaattg ttaagacatg tcacaagaat 240
gactgagtac taaggactta taaagacttc ctaatgaagg accaccagta ggatttgagc 300
caagaccttt tttgttggtat gctgttgatc 330

<210> 8086
<211> 449
<212> DNA
<213> Glycine max

<400> 8086

agctcctact tatgtggcat ggcggggtgct cttcactttc ttgtcttcaa cgctagctct 60
gaccactgtt cttccttccc gcgatgcttc ttttcatgct tgctgagtg ggcttatagc 120
ctaaaccata cttcccacga tttccttggg ttattatcag gctagttatg ccgccattgt 180
ctttgcctaa acccatcccg ggttcataac cgttgcccaa cataacatcg gccaatatta 240
ccgccgcacg ggacagacaa ggttgcccaa agaggggagtc cacggaggaa atgctgacca 300
cctcaaaaga ctggaaagcg gtttctaacg attcttctgc ggcttccaca taaggcatgg 360
aggatgggca gcttaccaag atatcttctt cgctgacac gatgaccaag tgcccctcca 420
ctacgaattt cagctcttgg tggagtgtg 449

<210> 8087
<211> 452
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8087

agcttgata cttngtgggc ctctattaag tgctttgttt agaattctatt caatgagctt 60
aaatatgtta ttaaaactaat aggattcaca cttaaaaaac tggaaaaagt atactaaatt 120
tgcatgtggg actacctaaa tatgtcctta aaataagact acctaaattc aaacctggtg 180
gaaaaattgc atgtgggaaa tctactcttg acctcttcaa caataaaata gttatgtttt 240
aaattataaa tctttttggt atagcccatt tcaatattcc tgcacgtttg gtgattattc 300
tatgtaggca tgttcaaact agttaaggcg gaaagataaa caattataat gcgtgcttgt 360
acgcttgaga cttatataac tgaagaatca tatcttgatc tcacgtgtct tattatggta 420
tggttcaag ggccttaaac ttaacacaaa at 452

<210> 8088

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8088

tgaccaactg acctgctaag cgagggttgag ttggactaac agtggttgagt tatataattg 60
ggcatatatg gaccaaattg ataagcttgt tggactatat tggactcaag aaacacagtt 120
ctgaattcaa ctgagcttaa tatagccga tatttggttaa tctatttata ttttgaatca 180
atatgaattc atactaatat agttaaacgg gtcaatatgg attggcttga caggccacta 240
tacctgtgtg gacttcngaa tatatgatca tattgcatat gagctatcta gacctaaacc 300
atatatcatg cttgacccaa tggatgtagc caaactgacc caccattttt gctgactata 360
tcgatgggct atacgatgtt gtgtatgggtg aaaatctaata atgaatattt ccactgagtg 420
tgttccctac atgtggcttg accccagga 449

<210> 8089

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8089

agaggaaagg gaattcccaa tcaaagagtg ggagaaagca aaaagaaaag aaagaaaatt 240
 cccaatcaaa gaatgggaga aagaaaaaag agaagaagaa agggaagaaa gttcccgatc 300
 aaaaaaaaaat aatatgcaga aagggtctttg gaccgtacaa tatctgaaca atacagaatt 360
 gtcacatcaat gaat 374

<210> 8092
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 8092

ggagatgagg aagtgttgaa ggggtgaaact tcctgctttt attgttgacc atagagtggg 60
 acctggagat atgtcgcggg ggtcaggaga ccttggggac gtcagggtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcgggtcag tgagaacctg 180
 tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaatgaaaa catgaccaca 240
 aagcaaggag gcttgtgggtg gctggccagc tgtgaatttt gtgtaatatg tggattgtgg 300
 cctctggtaa tcgattacca aagggtgagta atcgattaca aggcttaaaa ttgaggacag 360
 gaggctaaga tgggtctctgg taatcgatta ccaaggggtg taatcgatta ccaggcttga 420
 aaacgaagtc acgaaactta cggagcctct ggtaatcgat ta 462

<210> 8093
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8093

agcttctctt accggtgaaa aaacattgtc ggttctcgct tgtaaaaaaa ttgcgcaatg 60
 tcggctgaaa aacatcagtt ggggctgttt aactaccgat gctggctact gttttttcta 120
 ttccacccct gaataatact tggacgatgt cgatttggaa atgttcgatc ggagtcaccc 180
 ggatcatgctt ctttttaaga cctcgatctg tcatcttttc ctggccgacg tcggctagca 240
 tttttttcga tcaatatcgg tgaatcatgc tttttgccaa ggtgggctaa cgttttcgtg 300
 gctgatgaaa tgagagcatg ccagtgtcgg tcgaaacaca atctcgcacg aaaaacccta 360

gccgacctac attgtaattt ttgtaggcaa taccgaacag canaacttcg tctaccataa 420
 agaaatatta tcg 433

<210> 8094
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 8094

ttttctgttc ggtattgcct aacaaattcg caatgtagtt cgtctagggt tcttcgtgcg 60
 agtcaaccg aagttgtatt tcggccgaca ccggcatttt gtcggccagg aaaacattag 120
 cccacctcgg caaaaaaaca tgattcaccg gtattgacag aaaaaaatgc tagccttagt 180
 cggccaggaa agatgaccga tcgaggtcta ataaagaagc atgaccgaat acgccgatcg 240
 aacatttcct aatagatatc ctccaagtat tattcagggg ttgaatggaa aaaacaatag 300
 ccgacatcgg tagttaaata gccaacattg cgcaatttct ttcacaaacg ctggccgata 360
 atatttcttt agggtaaatg atgctttcgt tgttgggtgt cagctataaa attttcaatg 420
 taggtcggct aggttttttc gtgcgagctc a 451

<210> 8095
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8095

gcaagcttgc tcagctagct gatataatca tgcatacttt tctgatgatg accgaggaac 60
 aattagggat caacttgaaa cttatgtgct tcacgtgaga agaaatgctt ctttttccac 120
 ttgtgaagat gttcaaagtt tggctatgaa gatgggtcaa actgagaaac atttgggtatt 180
 tccattgggt tataaaactta ttgagctagc tttgatattg ccggtgtcga cagcatccgt 240
 tgaaagagct ttttcagcaa tgaagattat caagtctaaa ttgcgcaata agatcaacga 300
 tgtgtgggtc aatgacttga tggatatgta caccgagcgg gagatattca agtcacttga 360
 tgatatngat attattcg 378

<210> 8096
 <211> 457

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8096

tctgccttga agcactgagc ctagcagcag aagagagggga gatcacacac cccataagca 60
gaaaacaaga acaagagtta caccacaacc acaactagaa cccataacaa aaacaccctt 120
caaagaatgc accttcaaac tcaacctcgg agtctccaaa cacaagttga caccctcaa 180
aaccttcaa gagtgaact tgcccncttt tcaccttctt cagccacaaa aaaaaaatt 240
ccaatgggac tctactagcct tgttttctcac ttctatgag ggcaacaagg gtaccacta 300
aacagccaca ctaagcttac cctcttttgt tttattccct ctttcttaaa aactctcttt 360
tctctctctc tctctctctc tctccttcca cntccatat catatatcat attatattat 420
attaaattaa ataactcggt aaataattaa acaaaaa 457

<210> 8097
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8097

agctntaagg tttctacagn gttgctgcgg tgactaagct ttacttcttt tgtttctggt 60
acctatattt ttgccctttt aatttttaac tcttacaatt gttttgccct ttcaatttct 120
tgccctttct ttaatatattt tcttttaatt ttctccattt ttatgtttgt gtaaaattat 180
ttcataattt atatataagt atttatttat tataaattat aaattttagt tatataaaat 240
aaacattcac taaaatacta gtaattgata aatgtacaac ttagatttat agaacaacat 300
cacatgatat ttgctttaag ctcatnagta aattgtgaaa aagcttacca ataataatga 360
attcatgtga gtggtgtttc tatagttggt attaccctat tgcatagaatt atcgtaatta 420
ttgtttac 428

<210> 8098
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 8098

gagaatgaga gagagagaga gaaagagaga gaggggccga gaaattgaag gagaataagg 60
agagaagttg aactttgaag tgtgtctcat aagtttctca ttcaacaaag ttgggacaag 120
tgttacacat gtttctatct atagcctagg tcaactaacg tgtgaatttc attntcattt 180
catgtgaacc taaaagggat attccaagaa tatgcccagc gcatttttagt atattccctt 240
tagatgtcac aagcatggaa gttgtggctc tagcacataa gaagcttcct tgagaagcan 300
gaaggtagct tccttgggaa gcaaggaaga aagcttcctt gagaagctag agggg 355

<210> 8099

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8099

agctntctcg ctgcanaatt cacttcttag ttggtgtttt tggtttgtgc taaagggtgg 60
gttcgtcatt ggaagtgcgg taaacagact ttgtggtaga tttaaggatg gcctttgtgg 120
ataactgggt ggtgggtaaa gaggtgggtt gttattgact gagtaatgac attgttgggt 180
ttggtgggaa acttggcgt ataagaatgg cagtcacagc atgggtttct cccttcatct 240
caccctcttt atttgccca agtttctaag tcgtcctagt aggatgatca aatttgctc 300
ttttcggacc cacatcgatc ctttactgg cgaagaccaa atccgctaag ctttgagggt 360
gcgtagccca ccattctttc atagtagagt atcgataatg tgtctaccat cacgatcatc 420
gt 422

<210> 8100

<211> 174

<212> DNA

<213> Glycine max

<400> 8100

cttcacaaag agctacatca cccttcccct taaaaggat ttgacctcaa attcagaggg 60
tcttaaaact ggagaccatg gatcaagctg aatgggttga tgatgcccga ggatcacatg 120
gatcacatgc ttctcaaagc ttattccag accaagaaat ttaagatatt taag 174

<210> 8101
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8101

agctngcatg atttacatct ccccttttct catgtaaatt cttcttgata tcatcaaaat 60
 cttcatgatt tacattctcc ctctttttga tgatgacaac cacctgtagg ttaggagcaa 120
 caacaaagaa aatatctatt tgcataatgt tntactcccc cttggtttta cattgattgc 180
 ttatatgaga caaatgaaga tttcatattt ttcatatata aaaagttgtc tcataaaaca 240
 ataaataatt tttcttacta ttttatcttt tatctttctc tccccctttg tcaacatcaa 300
 aaacaaatca tgaatagaga ggagaaagat gttaccactt gttgcaatgt atgagaatca 360
 agtgatactc aaaggcatta aaacaatcat tcaatatt 398

<210> 8102
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8102

tgtagctnt aaggaggtag ctctgagata ctacatacct acattgggtg tgcccttaag 60
 gtatttaatg atccttttaa cggctgttaa gtgagattcc tttggattgg ccatatatct 120
 tgcacacaag caaacactta gcatgatatc cggctctactt gcagttaggt agagaagtaa 180
 tccaatcata cctctatata ttaactcatc cactgattta cctttctcat ctaagtcaag 240
 gtaggttgaa gttgcattgg agtatatgct tctttgcatt tttccatata gaatttctta 300
 attagttata tacaataatt ggttcgacta aggaagggtc cattctttat ctgcttgacc 360
 tggagtcaaa gaaagaagtt caattctcta atcatatata tctcanattc tttctacata 420
 caacttgaaa attccttaca caaaatttca 450

<210> 8103
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 8103

agcttggaga tgatgcttca atggatgana agtatgangg agagaaagag ggagggggga 60
gcacgaaatt gaaggaagaa aaagggagag aagttgaact ttgagttgtg tctcacaaga 120
ctctcattca tcacagttac aacaagtgtt acacatgctt ctatttatag actaggttagc 180
ttccttgaga agcttttctta anaaaacttc cttagaagc ttctttgaga aaacttcctt 240
gagaagctag agcttagcta cacacacca tctaaaaact aagttcacct ccttgagaag 300
cttccttgag aagctagagc ttagctacac acacccatct aaaaactaag ctcaccttct 360
tgacaaaata catgaaaata aaaaaaa 387

<210> 8104

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8104

gtacagcaga tgtcactcta ctccaaattc ttgaaggata tgtttacaag gaaacataag 60
tacattcact aggaaaacat tgtagtgga ggaattgta gcactgtgat tcaaaagatc 120
cttccaccta agcataaaga ccctgagagt gtaactattc cttgttcaat tggagaagtc 180
actgtgggaa aggctcttat tgacttanga gccagtataa atntaatgtc actctccatg 240
tgtagaaggt tgggagagtt ggagataatg ccactaaaa tgactttaca aatggttgac 300
cgctctatta ccagaccata tggagtaatt gaagatgtgc tggtcagagt gaaacatttt 360
atcttcctga cagacttcgt ggtaatggat atctgtgaag atactgacat tcctgtaata 420
ttgggaaggg cattcatgtt aactg 445

<210> 8105

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8105

agctntgatt agtgtatatg ttactactaaa gttatatggg atcttattga gtttcaatta 60
atcattagtg catatgttac actaaagtca tatattgggt ctaattgggt ttcaatcaat 120

cattagtgtataatgttacac taaagtcgta tattgggcct tgattagggt tcaatcaatc 180
 attagtgcgt atgttacact aaagtgatat tgagcattga ttgagtctta ttgggtttca 240
 atcaatcatt agtgtatatt ttacactaaa gtcattattgg aaagtgttga atgcataagt 300
 tacacattga atcttaataa atcattattg ggtcttgggt agtgaatatg tttaaattaag 360
 gcttaattgc aaaattcatc ccgctatttt gcctatttca ccaaatacggg cccnctattt 420
 ttaattcact a 431

<210> 8106
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8106

tctcccncaa ttntctataa atagggggag aagtgaagta gattagggtt cagccttctt 60
 ggcatttctc cctctctcga aattgctgag gaaaattatt tccgtgaaga aaatccaagc 120
 cgaggcgctt ccgtaacggt tccgtgagta attacgcgaa gattctcgac cgttcttcaa 180
 cattcatcgt tcgttcttcg ttttcttcag ttttcaacgg gtaagtacct caaacggagg 240
 ttttcaattc attctatgta ctctgtgtgg tccacatttt gtttcatgta tttttattct 300
 cgttttcatt cgctttctat actccctttt gacgtgctta agtcattnta ttttaagtcac 360
 ttctcgcta atctaaaaat aaaataaatt tccaccgatc gtttgaattg tatcatccgt 420
 taatttcggt taaaatgaa 439

<210> 8107
 <211> 355
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8107

agctntgagc caaagtccca actcaccata aacttttccc tcaaaaggaa acaaaaaaaaa 60
 aaggagaaag aggaaaggag aacaggagaa aattcccaat caaagagtgg gagaaagcaa 120
 aaaaaaagaa aagaaggaaa gttcccaatc aaagagtggg agaaagcaaa aaagaaaaga 180
 aggaaaattc ccaaatacaa gagtatgaag aagaaaagaa aggaaagaaa attcccgatc 240

aatgatcgaa agaaaacaga agacatatgc ataaaggctt tttagaccag accacatctg 300
aaciaatata gagttactac caagtagaca caaaagaagg gggggaaaac catga 355

<210> 8108
<211> 457
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8108

nggaagatta tggggtaccc atcacatgtg gtactaggag gttgtcgggc tatgtttcac 60
aacaagtttt ccacatgcac taatggcgca taaaccacc atccgctgtt gccacacctc 120
aactgagctc acgtactccc acgtagccca tatcctcgtg tctctcaaca ccgggtcttc 180
atcaatcctc ccaagcttgc ccagcatcca agtnattcaa cacccaaatc atcacaaact 240
aaciaaacaa gcaaaacagg gcaaaggcat aatactctgc ccaaaacaca actcaaaatc 300
acagctttgc acatacaaat accccagtaa catgtccttc tgtccaattc gttaaccggt 360
ggatcgactc taaaatttta ctggaagtct ctagtacata cgtttacatt ctgaccggtg 420
ggatctgcta ggaaacatac agaactattc tgcactc 457

<210> 8109
<211> 507
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8109

ccgcntcgat tgggctgaga ctatctatta cgcgacacta tgaataactaa gcctgtttat 60
tgacatcatg gttgaagcta attaattttc tatttcattt aaagggatat ggctgcacgt 120
ttgaacagga cgatttaact cgttcccaat tagtactgga ccaagcggaa ctacatgcca 180
actgctagac acattcgatg gatgatgcat aacaggctgt acttagtctg ttactggaaa 240
tacgatgagc cgagcccacg aggtttatga tctgcgctat aactctagtt atggagagtg 300
ttatatttga taagtgtgta ggcgaaccct acatacaatc tgctgatttc ttgaagcgct 360
ttctgtcaga tgatgcgagg acgaatgtaa aaatacattg tgattgacat tccaattcta 420
ttgttagtct atattaaaaa gatcactctc aaattattac gactaaggaa actaacacta 480

caagttgtga ctcacaaatc aattctg

507

<210> 8110
<211> 432
<212> DNA
<213> Glycine max

<400> 8110

agcttcttag tttcagatga tgcagatggg tttgttttac ctcatgcact cctctaata 60
ctatggcatc atttctggcg ctaaactgct gggagttgga ggccatcttc tcaattaaat 120
ttctggcttc aacaagagtc atgtctccaa aggctccacc actggcagca tctatcatac 180
ttctctccat attactgagt ccttcataaa aatgttgga aagaagctgt tctgaaatct 240
gatggtgagg gcaactggca catagtttct taaatcgctc ccagtactca tacaggctct 300
ctccactgag ttgtctaata cctgagatat ctttcctgat ggctgtgggc ctggaagcac 360
ggaaaaaat ttctaaaaat actctcttag ggtcatccca gctcgtgatg gacottggag 420
caaggtaata ca 432

<210> 8111
<211> 414
<212> DNA
<213> Glycine max

<400> 8111

gcaactgact gtagtattac aagatcagat taagattaaa aaaaaagcc aaattgtccc 60
aaacaatgct ctctcaagta ggatcaatat ctgaaaaatg aaatgttaaa tttagaaatc 120
taagtaaata ttgattccta attttttaaa tgttggaag acttggaaga caaaaattgc 180
attaaaatag aaaatgcaaa acatatagtg ggactgagac acattagcag cgtttcctca 240
actcaaaaat tataagaatc agaagtaaag agtatgttaa gagtgtggta acataactcta 300
acaagctttg atcaaatgac taatattaat tggcaaaaaa gatatttagc agatagccca 360
accaacttca ctatgtctag ttagaaattc caatattcta tattacctgc tcat 414

<210> 8112
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8112

agcttcattc cttntcact catgtgtcca agtctttgat gctcacatgg ttgaattatt 60
gacagcctca gtaattgcta ccatacctc atctgcaatc atgtaaagag atcctcgctt 120
ctttccacga gccacaatga gattgccttt tgttaccttc caagctccat ctccaaaagg 180
gggtgaatgt ccctcatcat ccaactgccc tatagatatt aaatttctct ttaaggcagg 240
aatatgtctg acattgtgca atgtccatag ggatccacta gaggtcttaa tgttgatata 300
acctcttccg acaatgtcaa gagattttcc atctgcaagg taaacttttt caaatcttcc 360
agaaacatag ttagacaata aatctttaga gggagtagtg tggaacgacg cacctgagtc 420
catgatccat gaatcaacag gactatccaa act 453

<210> 8113
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8113

tggttcgagg tacttaccgg ttgaagatcg aagaacgatg aataacgaat gttgaacgtc 60
gaagaacggg tgaaaccttt gcgagattcc tcacggaaaa cgttactgaa acgtttcgga 120
agcgctcgg cttataatth cttcacggaa acaatttttc caagcaaatt cgaaagagag 180
agaagtgcct aaggggctga accccttct tcttacttt ctcccctatt tatagcaaaa 240
tatgggaggt ggttgccgcc cagctctgcc aggcgagcac ggttgcttcc ttcannaaca 300
accnccntct ggaggaatat tccggagggc ccaagtgggc ctgggtgcta tttgcacacc 360
cattttacta agacaccctc ctctgctgtg tttttgggtga tcctttttcg taaagttccg 420
aaacttacga attatgtcac gatac 445

<210> 8114
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8114

agcttattaa ccaagatgca tagaccaaag gccacaagta ttaccaccta tgttggnnta 60

gaaccatgac aataccatgg aattgaaatc aaccattgca aacggtagta gattaatttg 120
 gtgtgtccca aagaaagtga tgtgtcttcg gttcaaatac tttttttaac aaatattatc 180
 tcattacttt attatctctt gatatgctgt cactactgaca ctaaagtgtg gacagataac 240
 cagaaagtat atgtagaaca agagcaacat tntggccata ttctgggatg acttcatagc 300
 ttcatataa atttcacaat cagtacatca caagacacgc tcaagaacta gtcaaggata 360
 caactacgat acatttcaat gcacataaat aagcaataaa gcataatgta acata 415

<210> 8115
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 8115

ttaccaccaa gagagtgtct tagataagaa gcttagagag gaatcttcaa tggaggaaga 60
 aaataagaga gagggagaga gagtgtgggtg tggaaattga aggataatag ggaaagaagt 120
 tgaactttga agtgtgtctc acaagtttca cattcatcaa agttgtgaca agtggttacac 180
 atgtttctat ttatattcta ggctactaac ttttgtgaat ttcatattaca tttcatgtga 240
 atctaaaatg aatattccaa gaatatgcc aaggcatctt agagtattcc ctttagatgc 300
 cacaagcatg gaagatgtga ctctagcaca tggaaagctt ccttgagaag caaggaaggt 360
 agcttcctta tgaagcaagg aagatagctt ccttgagaag ctagaggag ggcacatgca 420
 ct 422

<210> 8116
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8116

agacttgctt ccacanaata gtctctgtcg aattacgctg acatctcccg gaaaggtgca 60
 gatgaccaca ttggtctctg cgtgtcatcg gacttggggg ctccgaataa cgaggtgctg 120
 ataaccgtaa agtgcctctg atgccatcga actcttgggt cgctggatag caagaaggtg 180
 aactaaata gtctcagtcg gaagacgctc acagctccag gaagagtgca gattaccaca 240

ttggtctcta catgtcattg gacttgtggt gtccaaatga tgagggtgcta ataaccgtaa 300
 ggtgtctccg cattccac 318

<210> 8117
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8117

ntgatataat gcatcctttg tatttatagg tatagaggat ctatccactt gaaagtgtca 60
 acaacagact cagtacaatg cattaaatta gtacgacata aatttgatca acaatgaatt 120
 agtatatata gctacacctt attcaatcca agaatggaaa aagggaatca gtgggttaaga 180
 atgaacatgg gtcaagcttg agtcagggtt tttgaagcca aaccgaatga aaatgggttag 240
 gttgagtgtg ttaaagtgtga ctgtctcaac ccaaccta at cacaattggg ttgtgccaaa 300
 gtcagggtcat tagattagat attcggggaa aaatggaaga aaaaaaaca caaaaatagg 360
 ggtagagtag ggaaaaggta attttgtccc aaatttatgg gaggcactgg gtaagaattg 420
 aaatgggtcaa agaaaatatt atacacacac t 451

<210> 8118
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8118

agcttaagct ctacctaggg ngcatttaag cacttttgggt atgcaaagtc acgttttgct 60
 gctaactctc ctttaatgga tcccaaatga actccaacta aaatctttca atgttaaaca 120
 tgaacattga attaaaaatg catctaaagg acatatatca acaatcaaac tcattaaaca 180
 taagagcaaa gttggtttta gctttcctta cctatcctaa tttaatgaac ttgctttgag 240
 atgaaagaag gaagaaagga ttgggttcaa gatgcaagct ttctttcact cacacaaca 300
 ctttaaata tccacaccac ccaaaaccaa aaaaccaaca gaaatcacat caaaaccttg 360
 aaaacgaaca cttttataaa cttccaaaag tgctcatggg agaaaaataa aaatggagga 420
 agaaagagga aagtggagag tttcttacca 450

<210> 8119
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8119

tgtattattg acatcatggt tgaagctaata taatttcctt tcgtatataa agggatatgg 60
 ctgcacgttt gaacatgatg tatntacttt tttccttagt gtctttgttt ttagttttac 120
 tatgttgcag tttttgttgt tcttggttga tgcgcctacc tcaccttatt aatcattata 180
 cttataatag aatcttatta ttcttttggg ttaattattg gtgntataat tttattattt 240
 gtatatttta ctctttatag tttaaaattg gtttttttag ttcttataat ttatatttta 300
 attctctttt aatctttnta gggtaaaagt gatatttttt atttttataa tttacatttc 360
 aattctcttt tagtctatat aaaaagatca ctttcaaatt ataaagacta aaaaaaatt 420
 aaaatacaaa ttaaagacta aaaaatccat tt 452

<210> 8120
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8120

agcttaaact cactagcatt catatattgt ttatgcgtat aatataaacc cactcagtag 60
 taggcttggt agactttttt tcgaaggat tatcaaataa aaaatatact tataaagaca 120
 tttacgggca tgtaagacgt ggcttttact ctgaaaataa ttatccaaac gtggctattg 180
 cgagaaaaaa aaacccttga ttaaggaata taaaaggaac cgcaacctca agagctaattg 240
 cttccgtatt gttacattan gctgggtgcca tctcctccat atatatatat atacgggatc 300
 acagatcaga atgcctatta atctattgca ttagtgatga attctactag tg 352

<210> 8121
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8121

cttaaactct tgacactaac aactcttaac acccctcaag cttatgcata gatcttaatg 60
ataccgatct tgttgacatc atagcatacc caagtcaaag cctttgtgaa taaatttgta 120
agttggtcaa tgcttaacac caaagaacat aaggcagaga acactatgga gcatatacac 180
gnaaaaagta tcttaatagg gttcctaaac gcataatcaa tgtattaagc tggtagacaa 240
atttcccaga tcaaattgat cgttagaagc cagtctctca tcaacatgat gataatgtaa 300
tagtgatgac aaagattaga ttgtcaaata ttcctagaat atagaatctg gtttat 356

<210> 8122
<211> 356
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8122

agcnttgagc caaaatcctg actcaccata aatcttgacc cagggtgaga atgtcgatcc 60
ttaccctcgg aagcaaaaaa aaagagaagg aaaatttcca atcaaaggaa aaaggagaag 120
gaaaatttct aatcaaagag gaagcaaaac aaggagagaa ggaaaatttc caatcaaaga 180
gaaagctaaa agaaaagaaa gaaaaatttc caatctaaga atgagagaaa gaaaaaaga 240
gaagttaaaa agaagaaagc tcttgggtcaa agaaaccaga agaaatgtgc cgagaggtcc 300
ttggaccaga cgatatctga acaatacaga attgtcacca aatgaacaaa agaaag 356

<210> 8123
<211> 454
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8123

atccttatgg catgcctncg aactttcacc cncggttgcc cacttctgga atgatnntaa 60
gccaaagccc cctacttttt ganggnngca actcccacct ttatgaagac tatcccccg 120
caagacgaat gggaaggaga taccatctt ggcccccttg ctcacctcan agatccatnc 180
ncgcatgaac nntaccaac cgaacatagt ccgcatatc ccggnctcac ccacaccgt 240
aaaagaatct gttcccttcg cggaagataa aggaaagatt gangcgctng aagagaggtt 300
aagagcagtc gagggccttg gcaataccca ttctcggant tgcagattgt gtcttctgcc 360

aacatcgtca tccttccaag ttcaaagacc gactttgtaa gtcaaaggac gactgtcgaa 420
gggcatttcg atgattgcga agatgggcgt attn 454

<210> 8124
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8124

agcttcttga gaaaactaca tggagctgcc tctgtataaa cgctgccag ccttcgttaa 60
ccgttggatc ttctcgaaat ttggtttgca acttcacaag acactttacc atgatttaac 120
ccgtgggac tttgagaaaa tatctggagt gtgctagaag cttccgttcc cgagagcatc 180
tcttatttaa gcatttcagc ctttgctttc ttgtagctta ggaaaaatcc catttcttct 240
tctttctttc ttccaaatcc atttctaaag ttccaagtac tttctccatc acccaciaat 300
catcattttt ctccattgaa aaccacacc gagaggaacc cttcaaccga agcagaattt 360
ccaacttggc ttgcggnctc ggtagagaac gaanacccta atatgatctt tcgttttctt 420
tcgagggtaa ccatggtcta t 441

<210> 8125
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8125

ggggcaagtt tgtgccttca aagtgaggca acaaactttc ctttgtgagt ttagctcgcc 60
tgggcaaatt tttctgcacc tcttggctct tttctataaa tagccatgtc aagtaagaaa 120
agagggacat tggaaggtag agagaaacct gagaaacacc agaaggagga aggaagtgga 180
aagtggagct cgagcactat agagtgtga ccgaggatca catccttcgt attattggta 240
atttcatttt gttcgaatg ctttattcta tntgatcact agtttcatga aatttgattt 300
taagtttcac tagaaagtac tctntgaatt tgaactgaat gaatttactc tttacgttac 360
attgctagga atagagcata acattttgat tgcaaatagc acgcaattat gattgtaatg 420
ttgggggtatt tacttcatat gcgagggatc aatattc 457

<210> 8126
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8126

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 ctntgctttt atcggntaac atggaccgtt cgaaagcgta aaatcaacac atcactttac 120
 tgcctttcaa aagaactacg taggtctaat tttctcttcg atggagggtta cgtaggagca 180
 aaagccaagc cgacgtatgt gacttggagg gaagtctttt gttatagccg ccaagccgac 240
 gtgataacgt tggaatttat attgggggag agttgtgttg tgttatgaac tcttccttag 300
 t 301

<210> 8127
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8127

ggcttctaca ttnttcatgg taccaattgg ttctttcttt gtatagcttg gatgattcat 60
 atgcggttgag gcgcattctt ttaagttcct gtagctttac cttcctcttc tctctacatg 120
 ttgttagagtc aaagttgagg aacttcatgg cccaataagc ttttatttct aactaccctt 180
 gtaggtggca tgcttttccg tacaccattt gaaacggnga gaggccaatg ggtgggtttga 240
 aggttggttt atatgccccat aggcaatcat caagctttgc agcccaatcc ttccttgaag 300
 tagctacggt cttttctagt atcctcttga tctccctat ttgaaacttc atcttattca 360
 tatgtttgtg aataataggg tgatactact ttatgttgaa cattatagta ttggaggacc 420
 tttgagagtt gagcattaca aaagtgtgta cc 452

<210> 8128
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 8128

agcttgactg gtctttaact caagaagaan aaaatgtttt aatatttacc ttgttgatca 60
ttttatccag catatacttt tcaacttnta tcaattagta ggccattttg attcctgtat 120
acaatttgta ttttattctt tagtggtgac tcttgactca ttttttttat tctaattggt 180
gtttctccat tatacttctg ctctttttaga aattctcata gatacattaa ttaaaaaaaaa 240
aagccaatgc aataccgaaa aaaattaaaa aaaaggcaaa aaaaaaagtc aatacaatac 300
caaaaaaaaa ataaaaaaaa aataaaaaaaaa aggcatact ac 342

<210> 8129

<211> 446

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8129

tgctcanaca gacaacaatg gtagctttgg gatgcattcc atgtatctga aaaggacaat 60
aggcttattc tggaggaaat tatgttaggt tctaaaggct acatgaacca atcaacctta 120
gcagcatcct atctttggat gcaattacca catgcagatt aaacaaaacc agtaattcta 180
gagcttcttt tgaccttcca gactacttca tgacatttct ctatgtactn taccttatta 240
atngtaatga tagttatatg tgaaacaatt aaaattctta tagtattgaa tgctttgtat 300
agaggagtta ttattcacac cttcattaca taatccaaaa cgttacctaa taaccagtaa 360
tttaacaatg aatcaataag caaaaggaaa ccaatcagca cctaacacaa acacaacata 420
ccaaagagga gaataatttg ctattg 446

<210> 8130

<211> 377

<212> DNA

<213> Glycine max

<400> 8130

agcttaggaa cccaaacttg tagcttcaat gcattgaaac atgcttaa attggttttag 60
agttagaaaa acatgaaaat tatgattttc ttgtgagagt ttttgctcga atttggggtg 120
cccatgttt gatactttac ataaaggtag catggaaaac accttgcaat agtgtgtata 180
cataggtaaa tataagaagt atgaaatccc tagcaaagtg tgaatgattg tcttcctaga 240

tgaatgtatg atagtgtgga atgccttttt tgaatgcaaa tatgtgcagg atgtaattag 300
 ttttccaata tgcataataa taaataggag tgaaacagta aaaatttgta tgggtgactt 360
 caaatgtatg taagtag 377

<210> 8131
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8131

nntacagcag atttagtaat gaccactaa cctagaatta aaataactta atgcctttaa 60
 cctaggggaat taaaaaaaaac ttaatggctg agtgtaactg aaattgtggc aaccaaaggt 120
 ccccccaac agccaacaag tcagccacca tttggtctcc caaaaggctg atgcctaggt 180
 tgccaattgg gcccttatta caacttgaac taaacctaac taaagccctt ttagttgatt 240
 aacccaaaac atatttttgg tcagccaact ctacaaggat tggggcatta ttagacaaa 300
 ctaaactc taaaattgag acaaggtggt gtcatttagt cctcctccat ttgggccatg 360
 atacaactca caaccttggc cttttcttct tgaaacttgg gcttgtattc aaatagtatg 420
 gacagcactt gttga 435

<210> 8132
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8132

tcttgtctct ctttcttgac ttctcaacg tctcctttac accttggctt aacgaggctt 60
 catcttgctc cttcaagccc ttctctacga tatccacac atcttgagct cctagtagcg 120
 ccttcattctt gatactccca attatcatag ttgtctttgt gagcatcggc atttggaag 180
 gaaaaccttc attcgccatc ttttgaggat ctttgagctc tgataccact tntgtggaaa 240
 taaggctttt tatgt 255

<210> 8133
 <211> 461

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8133

tctcnnctta tttgctataa atagggggag aagtgaagaa gataagggtt cagcccccta 60
ggcattttctc tttctctcga aattgctgag aaaaattatt tccgtgaaga aaatccaagc 120
cgaggcgctt ccgtaacggt tccgtgagta attacgcgaa gattctcgac cgttcttcaa 180
gattcatcgt tcgttcttcg ttttcttcag tcttcaacgg gtaagtacct caaactgagc 240
ttttcaattc attctatgtg cccgtgggtg tccacatttt gtttcatgta tttttattct 300
tgttttcatt tactttttat accccctttt gacgtgctta agccatttat ttaagtcatt 360
tcttacttaa tttaaaaata aaataaattt ccaccggtcg tttgaattgt atcatccgtt 420
aattntgggtt aaaatgaatt ccgaccgttc ggtcgtgccg t 461

<210> 8134
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8134

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tcccactcca agtaggcttc cggatcattc tttcctttaa atggaggaat gttgagttca 120
ataccatcaa ttctgttttg tctaagaaca ccatcattcc ctcttctcct cttttcttct 180
tcattatgat ctctattctc catttgatcc aacctctcat ggagcgcac atcttggtgc 240
ttcattaacc tctccatatg ttgcatcaaa gcttgcatth ggaattgcga aagccccact 300
ccatcattac gattagtacc tgacatctca nacaaccaa tcagacgtat caagacaatt 360
atagttgctg gttgaatacc tcaccactc aagtgtatca cacaattatg gcttttctct 420
aatgaaacac tcttgctttt taccactcta at 452

<210> 8135
<211> 237
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 8135

cgagatgagg aagcgngaag ggtgaaactt cctgctctca ttgtcgacca cagattggta 60

cctggagata tgttgcgggg gtcaggagac cttgtggacg tcagggtggg tgctattgcc 120

cagaaccaag cttgaccaat cccgacccaa cccgggcata gtcggtcagt gagaacctgt 180

gatgtaccta aacaggcgag ctctggcgag tcctcagatt aaaggaacat agaccac 237

<210> 8136

<211> 430

<212> DNA

<213> Glycine max

<400> 8136

agcttatgct gcaaacatth acaatagacc tccttaacct caacaacaaa atcaaccaca 60

gcagaacaat tatgacctct ccagcaatag atacaacctt ggatggagga atcacccata 120

tctcagatgg tctagccctc aacaacaaca acagcaacct gctcctttct tccaaaatgt 180

tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aacccagaa 240

acaacaaaca gttgaggctc ctccgcaacc ttccctcgaa gaacttgtga ggcaaattgac 300

tatgcagaac atgcagtttt aacaagagac cagagcctcc attcagagct taactaatca 360

gatgggacaa ttggctacac aattaaatca acaacagtcc tagaattctg acaagctgcc 420

ttctcaagct 430

<210> 8137

<211> 538

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8137

aagagaatag tgtcttattc tcncttcctt attaccgcnc nctcttctt tcgctannan 60

nnacacaact nctctgtttc ttgagactat gcatcagcga cacttgaatg ctcagctcac 120

acagttatac ttctcagact gagttgtgga agaccattta ctaagtattt ccgtattaga 180

ggacttagat gatgcatggt aatgtgtgga gtgctatgat gtcgcaacct agaatcatgc 240

tttttactta ccaagcagct tagctcatga aatgatgcat gttcacattt agcatgtaga 300

tattacctat tgtttttcaa agaggacact ttacccggnt ntnacgnnac ttatttggaa 360

gatttcttgt tgaatttccc cccccccnnc cccnnnnnnnc tnnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnaannnnn ccnnnnngtn ctccactatt ttcttgctat tgctcaacat 480
 acatatctca ctttgaccaa gtcaagggtg cactgtactg tcatgtgcct aacaccat 538

<210> 8138
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8138

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 ggtctctata aaatgtacaa tgtaactaaa aatgtttggg aatgaaatta aatgtcacac 120
 tttcgcaaat tttacgcaat gctctctttc tcttactctc tatttctctc tccctctatc 180
 ttttagnttc aattcatttc taatagatgt catccctctc tttttgtgta ctcaaagtca 240
 gaatctgtaa tgtacagtct aatatatgta gaggatatca tagtcaactgc aaatgactct 300
 aaacttgatt agaaactagt ttacctatnt ttcttaanag atcatggaga tcttaattta 360
 tttttgcgaa tngaagcagc taattaagtn gatggctcac atatacttac tccatctaag 420
 tatatgtgta ttanggatct ttt 443

<210> 8139
 <211> 319
 <212> DNA
 <213> Glycine max
 <400> 8139

tccttaagaa gattcctaaa gaagctagag cttagctaca catacctctc taataggtaa 60
 gctcacctcc ttgagatgag aagctagagc tttagctacac accccctgta atagctaagc 120
 tcacccccat gacaaaaaac aagaaaatac aaaaaaaagt ctttactaca aagactactc 180
 aaaatgcccc gaaatacaag gctaaaaccc tatactactg aatggccaaa atacaaggcc 240
 cagacgaagg aaaaagctat tctaataattt acaaagataa gcgggctcat acttagccca 300
 tgggctcaaa atctaccct 319

<210> 8140

<211> 370
 <212> DNA
 <213> Glycine max

<400> 8140

agcttgtcac ttttttgagt cactctttac agtcttaagt ttacttcaat tgggtgtctgt 60
 atagaacttg tcttttctta atacacttaa gcaaactcat aaataggcat taattgaaaa 120
 ggcttatgat ttgtgttttag aagggtttgta ataattaaag catcaagggt tttggactca 180
 acaaattttc cataacataa gatgtaaaaa caattatcaa agagacattg gagaacattc 240
 accatacacg gatagagagc aaatatgaac taatcaaatt gaatgggtaca catactgaaa 300
 taataaggga ctaaacaata aatatctaaa cttcatataa ctcggtaaaa ttacctgcta 360
 caacaagtca 370

<210> 8141
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 8141

tgaccaatcc cgacccaacc cgggcatagt cggtcattga gatcctgtga tgtacctaag 60
 caggcgagct cctggcagtc aacagataaa aggaaaacaa gaccacatag caaggaggct 120
 tgtggtggct ggccagctgt gaattttgtg taatatgtgg attgtggcct ctggtaatcg 180
 attaccaagg ggggggtaat cgattacaag gcttataaat gaagacaggg ggctaagatg 240
 gtctctggta atcgattacc aggggatgta atcgattacc aggcttgaaa acgaggctcag 300
 gaagctaagg aagcctctgg taatcgatta ccaaggggtg taatcgatta ccaggcttaa 360
 atagggaact gggagttgat gggagcctct g 391

<210> 8142
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8142

agcttagtcc tataaccattg ttactgaac tctttataac tgttggggaa caggctctta 60
 agtttccac acctaaagta attcaaggta gtacattaaa agcatattcc tgatcctagc 120

aatatttata ttcataaata aacatggtaa gctgatacat cttttgaaat gtttttttatt 180
 tggaacagtg aatctgtctg gatggatgac tgatgaagag tttgcaagag agatgattgc 240
 tggagtaaata ccacacatta ttaagaaact tgaggtaaata ttactattga actgttaagt 300
 acataacact antaaacatt tatccacttg ttaaatttgc agttgataac cttaactcat 360
 tgcaaattat attta 375

<210> 8143
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8143

tctcaccggg ccaccttgat agtgcagtga ctatgctggt ccttcattat ctgataagat 60
 ttagtacatc ctataagcaa cataaagtat gtgattaata ataatttaac taatgaaaaa 120
 tcaaagcatc tttacatgaa ctaatttcca cgttgaatga tataaaagtg aatactgcat 180
 aatctgcagt cttgatttgt ttagcacctg ctctatacaa tcccaagttt ttgttttgat 240
 tttttntaag aagccttata gtttataact tatagaggtg tgccaccagg aaactagaat 300
 tctaagcaga gtttatgtct aaagcacttg aaaacctatt taaaatgttg ttttgacgat 360
 tcatttggag taattntaaa ttttcctata atttttatta aaaagcttcc tatttaataa 420
 g 421

<210> 8144
 <211> 240
 <212> DNA
 <213> Glycine max
 <400> 8144

agcttataaa atttaaattc acatctttta aagctgttat aaacagttta aactttgggt 60
 aatcgaatac ataccttggt taatccaata caggccttga aattcaaact caaaatttgc 120
 gaattatttc ataaatcaca ttaaccatt ggctgttcat taccagagag gaaatatcat 180
 atttttgaga atatacatgt tcttaaaaaa aacttgtaga aatttccttt agccaaacct 240

<210> 8145

<211> 382
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8145

 acaccactgt cgttgtgaac aatggatcca ttgtataaaa taaaaccta tgtagagttc 60
 acaattgtct gactgcttgt ctctcccaag aatgccatag ttttttntgt aagagttggg 120
 ttatgactga aacttgtggg tttttacagt cttangcgat gtcatatata tatatatata 180
 tgagttttta tatcagtgtt gcatttttta aagattaaaa atacacatac acatgctttc 240
 ttatgtgttg ttaactacac caatgacgtg acacacttta tcttgcatca gatctacatg 300
 tgtagtcatg ttgtgcaagg tcttgtcacg cactttatgt taatgcagac aacaatttat 360
 catacatggt ttttacaatg tg 382

<210> 8146
 <211> 382
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8146

 agctngcaca tgcataaata gnatataagc aatgttttgt gtaagaagga tgcacatgct 60
 agtcaaagtt cttatctcgt gaaacatgct tatagggtct cttacatgaa atgatcatac 120
 ctgtggaatc ttgccagaaa taaagctagt ctataaaaac ttgtatcaca gaccactaaa 180
 aaattataag ttgtgtttat tggactccaa gtgatgcatt aatattatac aagttaagat 240
 atcagaaggg aacacttttg caaaaaacca atactttgtg taaccattac cttacaccac 300
 ccaactttca ttctntacca ttgatatgtt catccttcta tccatttggt gtgttcttga 360
 ttgtcaacca atgacacatg ca 382

<210> 8147
 <211> 458
 <212> DNA
 <213> Glycine max

 <400> 8147

 ggcatcaaac aaccgcctat gagcatcatg atatgagctt taacatactg tgctatgacc 60

atatcatcaa catcatgaag ttgctgaaaa ttttgtcgca accagcttaa ataatcatt 120
 ttactcttta catacttatac aggtggagtt tttcctagta atgtctaatag agcaacacgt 180
 acatcatcgg tgaggataacc agttactggc aatccatcaa ttttcaagcg caactgtatg 240
 cccacatcat gtaaagtaat ggttgctctc ccatgtgaaa aatgaaatgt gtgcgtctcg 300
 ggtctccaac gtactaacca catgctgggtt aatatcaact tttctgacat ttataacatg 360
 actgaaacca gctaaagtga attacatttt taccogatta tctatccgat ccaagtggat 420
 gaaagcgcaa acaaaattat acctcgaaca aatcattc 458

<210> 8148
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8148

agctntgcag aggtcaatca aaggcattta ttactgtaag atctctccaa tgctcatgaa 60
 agcaattgga cagacaagca gtgatagtga acattaatat cccgataaaa ttaaagggtta 120
 atgttaaaat aaataaaaga gtaaataact aaatataaat tatttcatct aagataaaat 180
 atataaattt gtgagagaat cttttaataa gatataatgt ttaaggatta attagataat 240
 aaattatatt ntttataatt aaattgatat taagttttta aatttaggat taatttataa 300
 ttaattcttt ttagaattaa tttatctcac tttttatata tttaaaaatt aagtttaaat 360
 tttttatctt ttaagaataa tttattgcac ttatcacttt taaggataaa ttaactattt 420
 tagtattatc ataaataaca aataacaaat gt 452

<210> 8149
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8149

tgttgagtgc tcgaaggatt taattgctct gcttatttgg attcttatta gtaaaggggc 60
 caagctactt actgggcctc ttttttttac acctttaatg cttgttagtc ctgttattat 120
 gtattcatat atgcacggcc gtttaaactg tcatogtaac tgacttttta atagttgctg 180

taatgatggg tattatttgc ttattggcac agcatgttac tctagctagc ttagaaaggt 240
 gtacggtttg gaatttagtg tctgggtagg atttattgat tgtagtgtgg tcatgtcatt 300
 atgcagtgtt tacagagggt tatttttagt tgaactctat caagttaagg aaacaagagt 360
 ccagaggttt atttttttga atgatgagca acttgattta ctggnttcac atcacatcct 420
 ttgagttaga atgctgatgg tctagtagtg cagttaca 458

<210> 8150
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 8150

agcttttaga tgtcttagat tgacaattga atgtatcatc tgctgctacc gtaatattag 60
 aagttttctt atattaaacg tgccaccact aaaaacaact catttattca atattaatga 120
 tttgggtacc ctcgatacaa ttggactgct tttggtgata caattgatga tttatatgct 180
 tcttaciaat tgatgtatga attagactac atcttagaaa cagtgaagga gataaattga 240
 tgtacaaatt atatcaaag ttaagaacag tgaaggagaa aaattgaagc cacattggca 300
 actatatgta gtcatactct cagctcttaa ttgtttctgg ctaactagtt gtgaattaat 360
 tccat 365

<210> 8151
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8151

tgatagaggc cngtggttg actnttcaag agggcggacc cttcataaaa acaaagtcgc 60
 ttgccaatca tggagggggg cggttaatgc catcgagggtg aatgggtcac acggggccaa 120
 gcttttgag gacgtaaaga cccccagaag gtttatctac aaggccttgc aaaaggtggg 180
 catgattccc tgcggcaggc gcagagaaga ctcttgctaa atgcatccgg gtgtactcca 240
 tgacatggaa acatgttcgg cagtaagaga tctattacaa tggatgatag accaaggccg 300
 gcttaaggtc ggcagtgaga gggaggagga acaacatgta tacatgcagt cggcagatga 360
 agaaggacct aaaaagccta aacccttggg aatacacttc actaggaaca cggctcccca 420

aagacctcaa caccctcgg tagt

444

<210> 8152

<211> 340

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8152

agcttgtaaa tgaacaacgg aagctctcga gattattaaa tggtcataac ttatcacacg 60

gaagtccgat tcagacgcat aatatatcga gaagcttgaa aatgaacaat ggaagctgtc 120

gagaaattaa atggtcataa cttgttacac cgaagtccga ttcaggcgca tactatattg 180

agacgctcga aattgaacaa cggangctct tgaaatatta aatggtcata acttattaca 240

cgggagtcgg attcgacgca tatatattga gaccttgaaa ttgaacaacg aatgctctcg 300

agaaattcaa atggtcataa cttttcaaac ggaagtccga 340

<210> 8153

<211> 379

<212> DNA

<213> Glycine max

<400> 8153

cacacggaag tccgattcat gcgcataata tatcgagacg ctcgaaattg aacaacgtat 60

ggtgtcgata aattcaaatg gtcataactt tgtcaacgga tgtccgatta tgcacataat 120

atatccagat gtcgaaaact aaacatcgac agctctcgag acatacaatg gtcataactt 180

ttcacacgga agtccgattc aggcgcataa tatatcgaga agcttgaaat tgaacaacgg 240

aagctctcga gaaactcaaa tggtcataac ttatcacacg gacgtctgat tcaggcgctt 300

aatatatcga gacgctcgat attgaacaac gcatgggtgcc gagaaattca aatggtcata 360

acttgtcaca cagatgtct 379

<210> 8154

<211> 409

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8154

agcttccatg ggggtgagttt tgtttccctt ttcaagctnt aattcactcc ccacaagtaa 60
 gtgcattttc ccttggttat ttggctctcc attgatgtgt tttggtgctt tagttgctca 120
 ttttttgcaa aattcgtgaa gcgattcgca tctgaatcca tgcttgtttt gttgagttga 180
 gggtttgtgt gagaaggcat tangcctatg ttgtattctg aagcaatggg gcatgccaca 240
 ttgtcccat tctcttgcaa tttgtgtcca aacgtgcgcc ctcgaagtgc tcggtgaaat 300
 gcccgaatga tatatgaata tganntttgc gaaatgggat ggtgggactg gtttatatat 360
 gtagagacag catangagat tcaaaatag tgcccgaatg caatttcaa 409

<210> 8155
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 8155

accgcttagc gacaccttat tcttggttta tcgcgactca gtgtcgccaa gcgcaattcc 60
 ttacggccat aactaaggtc catgaagcta agcgccagtc atggcagcta agctgaattc 120
 cttgcggcaa tgtgagcgct aagagaggcc ttatcagcta agcgcatgct cctctgtact 180
 taagatgcat catttttagct aagccagcca tagcctggct tatcgagagt tacaactttt 240
 cggatctgca aacctcgcta agtgggttga tctgtcgt aaaccaagcc tctgttaaaa 300
 aaaaaaaaaac tgattttgaa tgtgaaacgt c 331

<210> 8156
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8156

ttggttgatg ctatttctga cttaaaaata tttagagggtg agtcttccag ttttgcaagt 60
 taaggaattt ttttagaatt atttaattcg agtaataatt tttttgtag aatgaaggat 120
 caatgtctag ttttaagttta atagtgtctag caaatagatt tatttattgt tatcattcac 180
 aaaatattta attgaagtaa taattggttt tctagataaa aaattaatat gtgaagttta 240
 agcgtattaa tttttgtaat taggtttttt actttgaagt ttttttaatt atgtttaatt 300

atttacaagc cttacaaata tttacctgat tcccttctag ttttctgaag ttagaatgaa 360
 atttgaatct atattttaag ttaaagttag tagatgaagc aaccaaatac agttatttat 420
 ttaaaaacta ctcttggtat gattaatgat ntctaatttt 460

<210> 8157
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8157

agcttgcatc atgttgagag atagcgtgtg gaaattaggt gcgtcagtga aaatgttatc 60
 ttgcatggca ggaaagtagt gtaggagaaa ctaattgctg caaaccgggtg agttgtatga 120
 atcttaattg tgagagaatg actagtatca actactaatt tttgcatgaa tctatgaatg 180
 ctgaatggat gcatgatgtg gaaatgatga aggccatggt gaatttattt ttttggtaca 240
 gagccaaata gccaccttgt atgagtaatt aaagtaaacc tttgcaccca gtaagccaag 300
 catgattgaa tattgtctctg aaccctagcc aaagtaaata attntatcac accttgctcc 360
 aggttttacg aaagcattat cttgatgtga aatgggttgg tcaaatttga gaggcgggtg 420
 tgtagtaaat catgtaaa 438

<210> 8158
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8158

gcccgcggnn ttgaacatgc atagtgtctt taaactagct ttgtgggaaa cagattcagg 60
 atatctccaa ttgctgacga cactattttt tttggggaaa cttcaatgga taatgttaag 120
 ctgtgaaggc cattcttaga agctatgaaa tggtttcttg actgagaatc aatttttccc 180
 agagccatt tggagcaatt gggcaatctg aggagtgggt ttgtattgct gctgatttct 240
 taaactgtgc catgcttcat tttctttatg tacctanggt tgccataggt atcaattcga 300
 gaaggaggtg gtgtgngagc ctataattag gaattcgagc tacgttgaca aatggaacca 360
 agaanatctt tatggctgca gaatacccaa attaatgggt cttaacagca ttgcctttgt 420

ctatcagtct tctatcacgg gcccttcgca gtgattaata gactaactgc cattcaagan 480

<210> 8159
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8159

agctntacag cagaatttag taatgaccca ctaacctaga attaaaataa cttaatgcc 60
ttaacctagg gaattaaaaa aaacttaatg gctgagtgt actgaaatta tggcaaccaa 120
aggtcacccc caacagccaa caagtcagcc accatttgggt ctcccaaaag gctgatgcct 180
aggttgccaa ttggggccctt attacaactt gaactaaacc tactaaagcc cttttagttg 240
attaacccaa aacatattttt tggtcagcca actttacaag gattggggcca ttatttagac 300
aaactaaaca ctctaaaatt gagacaaagt ggtgccattt agtcctctc catttgggcc 360
atgatacaac tcacaacctt ggacttt 387

<210> 8160
<211> 467
<212> DNA
<213> Glycine max

<400> 8160

caggaactat aaaactaagc ttacaacatg tggattatcc tccagcacat caacatcctg 60
catactatgt atatcgtaca gtcttcatca gactcttcag tccaggagtt atcctcacct 120
cgctcgtgt tatcactgca aaccaaatac aaagaacgat cctccatcga gtcctccatc 180
aaatatgtat catataagtc atcattagtc cctaccttaa tgtaagatct aagcaaaact 240
ggtgccttga ctcaaattaa gactctagcc acatctagat gcacccatt agtagtatac 300
tcatttgcac acatatagtc accataggag ctacaatccg atttaaaaaa tcacattcc 360
attcatgagt agggacatta agcaatttca cccataccaa gttttatgggt ctaccaagcg 420
agcgagaatt ccatagaaca atatctacag aaccactccc atcccat 467

<210> 8161
<211> 449
<212> DNA
<213> Glycine max

<400> 8161

agctataaac ctactttatc gagttcctga atgttgaaaa agtgttctac atgaatggat 60
ggttcaatgt ctgtgtggat agtggtgatt tccaggggtg ggacaatctc gacagcacgg 120
gagttagaag taaccattgc aaaaagtttg agaactatga tttaaatttc agagaggaag 180
atgaagtgtt tcaaagtagt gagtaatgcc aagagtttca acattttaag gttttgtaat 240
gggttttttg gctttttcaa aaacaatcat taagtccact ttccaaaatt gactcaacaa 300
ttagtgttac aacgtttcgt tatgaaaaat actgtgtttt atataataat aataataata 360
ataataataa taataataat aataataata ataataataa taataataat aataataata 420
ataataaatg catgatatgt cgttcatat 449

<210> 8162

<211> 469

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8162

tctatggaaa ctgggatctt gagcttcaat gaagtccttc aatgggtgatt ttcaaccatg 60
gagatgcagc ggaagataaa ggagaagatg tgagatgatg tagcttcatg tagagcttgt 120
aggccttaga tcttcttcat caatagagac ttttgcttct tgaagatcaa tggcagcgga 180
atggagaagg aggaaagggtg attgtagacg ccacttcaag gagaaaatga gtcaagaaca 240
agctcaccac catatgaagc catggataag agcttgaagg tangagaaga tgagtggagg 300
gagagaggga gaangggcat ganatgtatg cctcaaatga ggtttgaaca ttgaagtgt 360
atttctcaaa tgttcanagt tgaaaaaata cacacacaaa agcttctatt tatagcctaa 420
gtgcacacaa aattggaggg aagattgaat ttctattcaa cttcacttg 469

<210> 8163

<211> 332

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8163

agctnggcat cttgctccaa ctntctttnt agctcttcct tangtagtgc tttaacagat 60

gcaagcactc cttcttctag ctcaaaaact tcttcttct caagtgttcc atctaacttg 120
gctttctttc gtgcttcgtc caaggatttc ttcttagcct tagcaaaggc tacaacttct 180
ttgttgctaa tgagagacag agtatgtttg gattgaggaa tatgatgagc tggatgaatga 240
ggttgaaggg ataaagaagg tgaacgttga ggtgtacgag ttttaagaat cgcacatca 300
gattcttggg cttttggagg ttacgagggt at 332

<210> 8164
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8164

tgtagaacta tgttggtatn tccctacggg tgttttttgt tccacttttt ctttgttcaa 60
atatattcaa gggaaattcg gtttgccgga aagcacaccg gatcgtcaag tatttaaaaa 120
ttaaaccgga tgaatccgag tatcgaacac agggaaactaa tgtttacctg aattaagtcc 180
agaaatgaag cattgttgag agaacatgta tgattgataa tttcaaaca aatttaaact 240
aacttttatg ctaaaaacta taaaaagcaa ggtaagtaaa agtgacaaca gtaggcagaa 300
attgttgggt ctttctaaca aacaagctga tgcataataa tatatttctc taatcaatca 360
gactcttggt ttctatgctg tagcctaaat tactaaacct cgatccctcg tcagaccgaa 420
tcaatccaag cttcgtactc atatccctc 449

<210> 8165
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8165

agcttaggtt atggttcacg gtatggtttt cttaggcctc agtctataca ccatgcaaag 60
gacagacgtc aagaatgtca acaatacatt gaaacatggg tcaaaggaat cacattgaca 120
agtgtactta ggaccttact tgaatcagta agtgaaattc atgtcattat tgcgaaaaaa 180
gtttgcatta taagtaccta attatagttt ttcgacttca gggcacattg gcatcttatt 240
gttctgtgtc cataggacaa tattgatgtt tggttttgtt ctttgcttaa gaagccta 300

gttaacatca aggttgcaat taacagggtta ttcttcaaata tataagtaaa ttaatgtata 360
ccaattgttag tatattaaca caantaatatt tatcttatat acgttaacgt tattgtggaa 420
actagtgcaa tgaagacatt aaccac 446

<210> 8166
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8166

nttatagaca ctgtaattgg gtttaaactt tataatggaa aatatcgttg ttaatattat 60
tcttttaaga taaagaaatt ttagcaggaa aaaaagttca tataagaaag gagacatctc 120
tatctatcaa tcagccagtg aaaattatatt ttgtgggtta ctgcatttca ttgggttgga 180
tggtatacaa tagtattctt gttaacttct tcattttatat tgtgacttga gaatgaactt 240
atctcttgta ttacatacat gtatcagttt ctgaatacat aaacttggaa gtgtcactcc 300
ctctaatac cactatatta tatgaaaagt tggaaatccc attaccacta ctagagttgt 360
tgaaagagag aaaatagatt caagagatgt tgaaacctgt gtcttgacta cacaacggag 420
tccattntat atagacttaa tgcaataaat acaaa 455

<210> 8167
<211> 421
<212> DNA
<213> Glycine max

<400> 8167

agcttctggt ttcaatttcg agcgtctcga tatattacgg gactcaatcg gacatccgag 60
tcaaaaagtta ttgcgggttg aatttgatgt gagactccgt tttcaatttg tagcgtctga 120
atatattatg ggactcaatc agacatctga cttgaaagtt tttgcgggtt taatttctag 180
gggcatctgc tctgaatttc gaatgtctcg atacattatg ggactcaatc ggacatccga 240
gtaaaaagtt attgtcgttt gaatttgcta cgagattctg ttttaaaaat ggagcatctc 300
gatgtattac gggactcaat tggacatacg agtaaaatgt tattgttggt tgaatttgcc 360
cagagctctc gttctcaatt tggagcgtct cgatatatta ccggactcag ttggacatcc 420

<210> 8168
 <211> 205
 <212> DNA
 <213> Glycine max

<400> 8168

tgtctcagcg ttatgcgaga cggagaccaa catgctagct atcatcgcca agtaccaaga 60
 agagtttaggt ctagccacgg cccacgagca taggatcgcg gacaagtatg ctcaagttta 120
 cccagaaaaa gaggcaagag gaagggtgat cgactcttta caccaagagg caaccatgtg 180
 gatggatcgg tttgctctta ccttg 205

<210> 8169
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8169

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 tgaattaacg cgttttcagt tattagtcga aacaacanca ttcacttact atagatcgat 120
 actataacac tottaatat ttaataaaag aacattagga ttgctagccc ataggtgaca 180
 cattgttatt gacttgaaac aaatgcatct atggctattc tttttcacta tacgccgtaa 240
 actatgggtg ttgactatct tttcaagtat aatcacattg tgtttctaac tctggcctac 300
 atatgggctc ctaatcaata ggacttatct ctgaggctgt ctcattctcat ttaacttgca 360
 ttgtaatcat aattatatca caatacttta agttcactca tgtcg 405

<210> 8170
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8170

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 gggggcatgc tggctttaga ttntcctaga ctatggctac tottgatctt cacctttcgg 120

tctattggct tccttgaaga ttttccacgc attttctttc taaacttggc aatctcttcc 180
atctgaatga atctaacagc ccttgctccc aacatgtcca atattgtacg caatctcttg 240
cacagactat ccgagtaggg accaaatttc aatgccataa tcattgaagg gagtgtgact 300
tttgggctca agttctgaat caaaactgag actgggtgata acctttcaat gaaatcgtga 360
aacgacctc cttcttctta cctaattgtc atgagtgcc caactgttag atggtgtggc 420
atgctcgtca cgtactgagc tcccaattga ctata 455

<210> 8171
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8171

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ggccattgcc tcccatgccc agtattatga tcagccgatg aggtgcttca cttttgggga 120
cttcagcta tcacctatgg tagaagaatt tgaagagatc ctaggatgcc ctctaggggg 180
aaggaaacca tacctcttct caggggttcta tccctcatta gctagaattt ccaagatagt 240
ccaaatctcg gcgcaggaat tagaccatag gaagcaagtc gaaaatgggg tggttggaat 300
attgagaaaa tatttgga 318

<210> 8172
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8172

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catctccctt tccatcattg ggagtgccac ttgggctgcc agatccctcc acctttgggt 120
gtattctttg aaagattcgt gccctttttt gcacatattt tgtagttgca tcgtagaatg 180
gactcgagaa ccattatgtc cttccaagaa tgcactcggg aaggttccaa gttagtgtac 240
caagtagcag ctaccccagt aagactttct tagaagaaat gtatcaacaa ttcctcatct 300
tttgggtatg ccccatctt ccgacaatac atcttttagat ggttcttgtg gcaagtagtc 360

cctttgtact tgtcaaagtc cagcgccttg aacttgggaa tgaccacgtt cgggtactan 420
gaacaactct tctatgtcag taaaggcata atctc 455

<210> 8173
<211> 362
<212> DNA
<213> Glycine max

<400> 8173

agcttagccg ggccttctgc ggctttaacc agttgtcgac cgagagttcc tgggcggtca 60
gcggtggccc gaccacgacc tcgacgccga tcgggtcggt ctgttcgagt tcgtaggcga 120
tgaggatgcg ttccttcgtc aacctccgga cctcccgatc gatctcggat tcctcgtcgg 180
cgtatcccc ttcaagatcg acctcccttg cgacgagcgt cggcagggtgc gactcgtcgt 240
agagatagac gatcagcgcc tcgttgtaga cctcgacctg cgtggccccc gggcggatgc 300
cgggccatgg agcttctgac atgcggacct ccggcatcgc gtgtagattc ctctcacgcc 360
at 362

<210> 8174
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8174

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cggctgaagg ctggacgttg cgagcctgag gattgggaat cctcggcggc catttccccg 120
atctccagga agctgatcga ctctccggcc ttcggcttgc cgtcggggcc gtgagttagc 180
gtgccttcgt cccgagtcgg accggctcca actcaaccgc ctcgccccgc tcgggcttca 240
cccaggteet gaagagcgtc tcgtccgggc ccggcctgac ctcgacctcg tatgcctgcc 300
cgacgaccag gcccgggagg acgaagcgtc cgtctcggtc ggtccggggc tcgcgggcga 360
aggccagtcg cgaagcattc ttgaatcgt cggggaagac gcgtcggccg taggtgagcg 420
tcacgccacg cgcaggctcg ccggccccgt cgaggaggat gcccctcg 468

<210> 8175
<211> 311

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actaccccaa ccgaacatag tccgccatat cccggcctca cccacacccg taaaagaatc	240
tgttcccttc gcggaagata agggaaagaa tgaggcgctt gaagagaggt taagagcagt	300
cgagggcctt ggcaattacc cattctcgga cttagcggat ntatgtctcg tgcccaatat	360
cgtcattcct tccaagttaa aagtaccgga	390

<210>	8178
<211>	460
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      8178
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tttataatga	actcaccctt	gaaattttttg	tatcatgttg	ttgggtaccta	tgatgatcgc	120
gaacccttgt	tcgtggggagt	agaatgacag	cagtagagta	caggattatt	ttagggagag	180
ttgtgttttg	ttaatcaact	cctccatagc	tggttccatt	attctttntg	ttgaattgag	240
gatgtaaatc	acaatcttaa	ttatatgtat	gaacaaattt	actttccatt	atgtgaataa	300
tgtgtactaa	gttactatgc	ctatatatat	atatatatat	attcatttaa	gtaatggtgc	360
gttgttttggg	aatgtatatc	gtgaaattaa	aatntaaaat	ttactttaat	ttttcataag	420
caaattaaca	gaattttcat	ttaaaaattg	aagatttcac			460

<210>	8179
<211>	443
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      8179
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ttatgaaccg	gtgtctattt	gaggtcttgg	gtctctttct	ccccttgacc	aatccagtgt	120
gctcttcttg	agcacttgaa	tgtggccctt	tcccaactcc	accctaaaaa	aagatgatgg	180
tactcaatga	accaagaggg	gaagagggtg	aattggtttt	caaaaacaaa	acttttaaaa	240
ccaaagttac	aaaagcttct	tttatacaaa	tcgtatcaca	aaacttttca	tgaactgaac	300

tcaatcaata cataatcaat ccacccttta tacaatatcc ttcattaaag ttatttcatt 360
 ttttaacaaag atatatcttt gaatcttttg aacactgatt aatacttgaa tgagaaataa 420
 agatcagatc aagagaagag ata 443

<210> 8180
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8180

aattactttg gttcgggtcaa aattatttat tttaggataa tttattttta ccaaaatgtg 60
 taggcctttta tttttctttt tattactaat tatagggatg caatctttgt tttgtaaagc 120
 cataagtcca cttgtatggt cttcagttaa ttttggaatt atgctttttt caaaattttc 180
 gtaaagaaaa tctacagttt tttctatttg gtttagtctg atttccaaag tggaaatcct 240
 attgttcata attttatttc catgatcatt ttctttctta aagtctggaa attctatttt 300
 cagaatagtt tgtacactag ttntgcagaa attcttatag cataaactac agtgagctct 360
 tagtgttttg tgtggatatc ttttacagaa ataacattct ttgtgatctg gtcctatgtg 420
 gaattgtatt tcatgttcat ggtcat 446

<210> 8181
 <211> 396
 <212> DNA
 <213> Glycine max
 <400> 8181

gcttagagag gaagcttcaa ttgaggaaaa gaaagagata ggggggagca caaaattgaa 60
 ggaggaaaag aaggagagaa gatgaacttt gaagtgtgtc tcacaagact cataatcatc 120
 gaagttacaa taagtgttac acatgcttct atatataact taggtagctt ccttgagaag 180
 tttccttgag aaactttctt aaaaagctag aacttaatta cacacacccc tctaataact 240
 aagttcacct ccttgagaag ctttcttgag aaacttcctt gagaaataag cttccttgag 300
 aaatttcctt gagaagcttc cttgagaagc tttcttgaga agcttcctag agaagttaaa 360
 gcttagctac atacatgcct ctaatagcta agctca 396

<210> 8182
 <211> 472
 <212> DNA
 <213> Glycine max

<400> 8182

atactcaagc ttcttagttt cagatgatgc agctgagttt gtagttacct catgcactcc 60
 tctaatagact atagcatcat ttctggcact aaactgctgg gagttggaag ccatcttctt 120
 aattaaattt ttggcttcag caggagtcac gtctccaagg gctccaccac tggcagcatc 180
 tatcatactt ctctccatat tactgagtcc ttcataaaaa tattggagaa gcagctgctc 240
 tgaaatctga tggtaggggc aactggcaca tagtttttta aatctctcct agtattcata 300
 caagctctct ccattgagtt gtctaatacc tgagatatcc tttctgatgg atgtggctct 360
 ggaagcaagg aaaatgtttt ctaagaatac tctcttcagg tcatcctagc tcgtgatgga 420
 ccgtggagca aggtaataca accagtcctt tgccactccc tctaaagaat at 472

<210> 8183
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8183

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 ggagtcgtga agcacacctc tacgttgctg gacttcgaat ttcaggatat ggtggacttc 180
 ttctcacatg aatttcgtgg gtattgggtt tttgggagct atgatgggta gttctactaa 240
 gttaatgcct tatggtagtt atttgtgaag gaatatgttg aaatcatgct aaacttgaca 300
 tgtntgatgt gagtaaagct acccattcta ttttaggggt ttacgatgat gctttgtgat 360
 atttgtatgc tgaaacttgt ggtagaaaac tggtaaagat gatggggaga gttaacttac 420
 gggttaaagt gagaatggta gtgatgtgag tggaaa 456

<210> 8184
 <211> 471
 <212> DNA
 <213> Glycine max

atctacacat gctaacta acaggataag catttaatca a 461

<210> 8187
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8187

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aatcaaaaga tgtaactctt caaagggttt ttgacttttt caaattgggtt ttaagttttt 120
ctaaagggtta taacttttct aaatgggtctt cttgattaga catgaaaagt ctataaaagc 180
aaggctttgt tttgcattta aattattctt tcaatcttga acacttattc aatcaatctt 240
ttagaagccc taaatctctt tgaacttctt cttcttcttt gcaccaaag ctttctgaag 300
ttttctgggt ttctaaacct tgaacacttg tgctattcat ctttacattc tcttctccct 360
ctgccaaaaa gaattcgcca aagactaact gcctgaattc tttttgggtc tctcttc 417

<210> 8188
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8188

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ntcccattcg tcaatcctcc taccatgtaa gtaagatcca agaacttcaa gagctagtag 120
tagtcctcca caataagcaa ctacatttct tgcaagttca ttgaagtctt cttttggatt 180
tggttctcca aaagcgtgaa aacaaaaaag ctcaagagac tcattttcgt ccatttcctc 240
catttcataa acataatcaa cntnaaatag gttcagtaca cctgcatctc ttgttgtaat 300
gattattaca gatccttgac cgaaccattc acaatttcca cataaatctt ctaattggcg 360
aatctccttc acatcatcaa gtacaatgag cacccttttt cctgaaagtc tattctctat 420
catagttggt cccatcccaa tgctatgtat cttgacct 458

<210> 8189
<211> 447

<212> DNA
<213> Glycine max

<400> 8189

agcttcacct tctggtcctc ctcatagttg ctgtatgaga aaacatggtc tattttcatc 60
tcccactcca agtaggcctc cggatcattc tttcctttaa atggaggaat gttgagttta 120
ataccatcaa tttggttttg tctaggaaca ccacccctct tctcctcctt tcttcttcat 180
tatgatctct attctccatt tgatccaacc tctcatggag cgcacatctc cgttggtttca 240
ttaacctctc caaatgttgc atcaaagctt gcatttggaa ttgcgaaagc cccactccat 300
cattaggatt agtacctgac atctcaaaca aacaaatcaa acgtaacaag acaattatag 360
tggctgtttg aatacctcac ccactctcaa gtgtatcaca caattatggc ttttctctaa 420
tgaaacactc ttgcctttta ccactct 447

<210> 8190
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8190

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atcgagacgc tctaaattga acaacggaag ctctcagaaa atttaaattgc tcataacttt 120
taactcggag gtccgattca tgcggataat atatcgagac gtcctcaaatt gaacaatgga 180
agcttttgag caattcaaatt ggtcataaat agtcactcgg aggtccgatt caggcgcata 240
atztatcgag acgctctaaa ttgaacaacg gaagctctca gaaaattcaa atgctcataa 300
cttttaactc ggagggtccga ttcaggcgga taatatatcg agacgctcca aattgaacaa 360
tggaagctgt tgagcaattc atatggatcat aactattcac tcggagggtcc gattcaggcg 420
cataatttat cgagacgctc gaaattgaca acggaagc 458

<210> 8191
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8191

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 aaaatgcacc catatacaat caaggcagct tegtaccta gattatttac acgtacttcc 120
 aagggtgatt tggtacttac atcacacacc tccttggtta aattcacata catgcatact 180
 caaagcattt tggggtacca aaaattgcac atgtgtacat cttggtattt ctaataccta 240
 tacatacaca aactatctac acaataaggt gctacatttt atgctctntt caagtttttg 300
 ctacctaag cgcgatgcaa attcaagtat atgttccttt gctgactcaa aatgtattca 360
 aataacaggt atacatgttt tggtaatgta tcttctttac ataacatgca acatatttat 420
 gtatata 427

<210> 8192
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8192

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 ggggttaaaat ttatagatct actcttgaat caatgatttg tgtcgattct aagttctatc 180
 aattttcagt cataatattc ttgtaccaa cctttagata taaattttct tcccaaatat 240
 tgaatagaaa aaaaaacaca aaaatctaag tgtaatcact taatccatgt ngctcttagaa 300
 gcatgttttag tcataataat ttgcacatta tgttctaacg tcggattgaa tttgtatttg 360
 ttgattgaat ccagatacat atgtcatgta ttc 393

<210> 8193
 <211> 341
 <212> DNA
 <213> Glycine max
 <400> 8193

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 ctctttttga tgcagatgga ggagccttgg atttgaggac aaatcctttt caagaaggag 180

ggagtgatga agacataacc aagggcaagg accatgaagc acttgaaggt tccatgacca 240
gaggcagact taaacaagcc caacacgtta tagagacaac gctggtcatt tgtatagctg 300
ccattgatga tgattgaagg cccaagtga gaaagatgaa t 341

<210> 8194
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8194

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tttaatttcg agcgcacgca tatattataa gcctgaatcg gacatccgtg tgaaaagtta 120
tgaccatttg aatttttagag agttcccgat gttgaatttc gagtgtatcg atatattata 180
cacctgaatc ggaccttagt ggtaaaagtt atgaccatcn tgaattcacg agaagctttg 240
ttgttcaatt tcgagtgtca ctatatgtga tgcgcacaaa ttggacattc gagttaaatg 300
ttatgagcat ttgaatttct caagagcttc caatgttcaa ttctgagcgt ttcgatatgt 360
ggttgcctg aatcggacat ccgtgtcaaa agttatg 397

<210> 8195
<211> 456
<212> DNA
<213> Glycine max

unsure at all n locations
<400> 8195

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gatattctaa gaaggggggt tgaattaaga tattacaaac tcttcaatttca t 120
ctactttgat tctaattgcaa gttccaagtt cccttaaagg tgaatttcca aatgatgatt 180
caaattaaac aatctgaatg taactgttaa gcaacaataa ataaaagagt ttaagggaag 240
agaaagtgt aacacagttt ttatacaggt tcggcaaagt ccgttgctta cgtccgatcc 300
ccaagaaagc cgcttgggag ttccactatc tcgtaatcct ttacaccttc tgaaacacac 360
aaggacatcc cttcctttgt gttcagatgc tttacaacaa gagactctca gtctcttagc 420
cctttgatca gaaagagagg aagaagaaat gatctt 456

<210> 8196
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 8196

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 tagcatcatt tcttgactg aattgttggg agttggaagc catcttctca atcagattcc 120
 tagcctcaac aggagtcata tcaccaagag ctccaccact ggcagcatca atcatactcc 180
 tctccagggt gctaagtccc tcatagaaat attgcagaag gagttgctca gaaatctggt 240
 ggtgaggaca gcttgcacac aatttcttga atctttccca ttactcatac aagctctctc 300
 cactaagttt ccagatgcct gaaatgtctt ttctgatggc agtggtccta gatgcaagga 360
 agaatttctc caagaacaca ctcttaaggt catcccagct ggaaatggac ctgagagcaa 420
 ggtagtacia ccaatccttc gccactccct ccagagtata aa 462

<210> 8197
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8197

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 tcaacactcg ggaatataaa acatcagtat ttattattca tctttattgt ttacacataa 120
 caaacatcaa actacacaat aactaacaac aaattttcta taatagaaat tctaattgaa 180
 ttaactgcct acaagcctaa gtatatacct aagttactct tataacaacaa ttttccacct 240
 taactnggtt taacacactt aatactaaca aagactcaac tctgtgtccc ttcaaggcaa 300
 acaaccaata tcttatctaa acaatactta aacttgcctc ttggtaaaac ttagttagca 360
 tattaccaag attcttcttt gtagctatct tctcattttg atcgaagccc ttgtaatcat 420
 at 422

<210> 8198
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 8198

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ttatgaggtg acgttttgaa gaaagccatt taactttcca gagtatatca aaggaacatc 120
taacatcgaa gcattgaatg cttattgact gacaaagatg ccactttcca aacgattcgc 180
aaaaagcttc ttaaagcaca ggaagctatg aaaaagtagg ccgatagcaa gaggcgcaac 240
aggcaatacc agataggtga ttgggtcttg ctccggcttc gtccctctcca ccagacatca 300
gccaaagggc ctcaaatagc ttctggtaaa ctcgcaaaac gattctatgg acccttccag 360
gtaatagatc gcattggcat tatggcctac aaactgaaat tgccggagac agctaanatc 420
cacctgtgt tccattgctc taaacttaaa cc 452

<210> 8199
<211> 361
<212> DNA
<213> Glycine max

<400> 8199

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ttaaaccatat aaactaacat atataaaaaa ctaaaaataa ttgataaata tattataaaa 120
aatataatat agaaaattat aaattataaa ctcaacaccg gtgcatggca cgggggtatta 180
tgatagtaaa ttaaatatga atgggtgaat ttgggtttcac cctaagagac gccatgtcaa 240
tggttataat tttttttctt ctctttttcc ttcattaata taaattagct tatttgtata 300
aaaataaaca ataattagaa atataaatcg cataacaata taaaaatttt atatcataac 360
a 361

<210> 8200
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8200

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agttgcacta actgtcattg gtaacctaca cattcttttg tttgcaggtg acaggttgta 120

ccatcttggtg tgaggctcat gaaacaagcc aatgtaatcc cattgaagaa aacactaaag 180
aaattcatat atgggaaatc aacagcggca agggatatact ctangaggat tttcaggctt 240
ctagcaagga ccttatagtc aacaaggata gtggagggtca caccctagca atcagttcaa 300
caaagatcag ggtggacttt cgaatangcc aatccaacaa gggcctaaca tcttttagagg 360
actactaagc tggaagagac ttttgactca gttat 395

<210> 8201
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8201

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catcttgaat cttgatataa cagataaggc ttaaattatg ttgtctttct tattttattcg 180
gataacttat agatngaaag catatatataa cacatgatga aaccgtcttc ttcttttaggg 240
tgttcgtggg tttgatcaaa ttcattatcc tacaaatcga ttcattttaat aaagctaatt 300
tcttataata aactttgggt cagtcgggtt gatttgctac ttcgactgat ctccattaac 360
aattatgtag ttagtcaaaa tcatttcatt taaatcgcat acttttagata gttgaaaatc 420

<210> 8202
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8202

agaagtagta tattttcacct tcaaaccaat tcaatcaact atcaaatatg anattacaac 60
acataaaggc gccaatgaac cgaatagcac tcaaaaaaga gtacatcgca tgctaaacgt 120
gacttacagg aaacgcatta tagaccatgt gatgctcaat atcaagcagc tccccagtct 180
ccaaacacga aggtctgtga actggaaagc tagttttgag aaactgttcc aatcgatgcg 240
catcgatgtt tgatctgtag cctccgtctc actaaaacca atcagaacca cgttcacttc 300
aagcggaact cgaaacggga cctacacgaa ccacagacta aagcattcac acttaatata 360

acacatcaat taattggata gcgaatgtga atttgatfff tgtggtgacc a 411

<210> 8203
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 8203

agcttagaaa gacaatactt cattcatgac atcaaataaa ctttaaagtc atccgcaata 60
 ttcaaataaa acatatatga attattggaa aagataaaac acaatgccaa atgtgagtgc 120
 ataccactag tcatatatca ttaaagtaat taagtftaag acacataatc atgaacaacc 180
 tagagcacgt caatataatc ataatgttca gtcatactaa gcaagtgtta aaagaaatac 240
 taagtattca aatgtcataa aaacatagtc aaagacaagg cttaaaaaca aaatataatt 300
 ataatctaaa tatattatca gagaatctaa gcttaggftt aagtaacaaa aattagttat 360
 gaacacatac atgggtgactc attacttadc ttgattaatt aaccactaga tftttaagtat 420
 gatataacaa tcatgaacac atatcata 448

<210> 8204
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 8204

gtcaattcat tcttcttttag ttctgtgtca ttcttcatct cgtttacttc tagtattctt 60
 ttcttccgct tttacaagct ttcaaccatt tatttaagcc gttctcttgt ttaataattg 120
 ataaaatgaa tttcaaccga tcatfttgtgt tgcaatctcg tftaatcact gttaaaataa 180
 aatccaaccg atcgftttgta ctgtaacctc agftaaatca aaaaactgta aaataatgat 240
 aaaataatca aaatatctft gaaaaaataa taataaaata ataaaaaaat caattagaca 300
 tfttactfttg aaagfttccct ttaaattgagt tgataataac caagtgaac taaggctaaa 360
 atcaactcac aaaccaagct ttgcccgcga aaatcacttg aagftgtftt aaggtccaac 420
 accttaaacg atcacgaaga actacatatg tctgagttcc tc 462

<210> 8205
 <211> 459

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8205

 agcttatctt aacacanaaa tggcatgcta atctcctccg attagaacga actcatgcac 60
 acgtttaatg taacacattt atgcacaggg gtatgtgtaa aatatactac tatttatgtc 120
 aatgtacaag gacatccaac acattctagt taccatacat atatatgtat tttttaaag 180
 aacacacatt ctcatgctca aggcactgcg tcaaaattca cacctaata caacctaata 240
 attttgctat cacaactac ctacacatat ttgaagcaca tatcataaga ctttcattgg 300
 ttcactcaca tttatttata tgcataattg aaagctaatt acgtcatgca cataactgca 360
 tttanaaagg ggaatccatg ccatcataca ttcatttagg aagcgacctc aatattcatt 420
 tangaagata ctcatcaca ctntgcaagg aatttcatg 459

<210> 8206
 <211> 350
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8206

 tctaggcctt atctcgctgc tttatctacc tgtaacttac tatatgtatg atattttcaa 60
 aaccgagtat gtacatcggt cttaaaacga gtacgactac tagttttcaa acgtgtatat 120
 caaacgtaca tcgttttcaa aatcgagtag catagctaca tcgtttttaa actgtgtgtt 180
 tcagaatttt ttaatatgct tctgttttac aaanaccaa aattaacctt gtaaattaaa 240
 tcagacacac agacacaaca tatatcatct gcatttgctt caagaggnt agcagaaact 300
 agctagtaac tattaatgaa aaaatcaatg atactatgat actatcacia 350

<210> 8207
 <211> 353
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8207

 agctngaaga tgcaatgcng tgaatttaga agggagaggt tgcaaganaa cttttgaaat 60

atttggagta agtghtaagt taacggctgt tacactttac ttatccattt ttcgaccaac 120
 tcgcttcgag agtcaaccca ctaagcgaga gagagacgtt tggcttctcg ccttctttct 180
 tgggtgggag acatgctggg cccaatttca aattcaaaca ttttatttga actatgctta 240
 gcgcaaagta gcacactaag cgagtgtgca gataaggaat cctgcaactc tcgctaagcc 300
 gggctcaagg ccgacttagc gaatatactg catcttgcac acagaggggg tat 353

<210> 8208
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8208

tgtaggatta tggggtaccc atcacatgtg gtactagggtg gctgtcgggc gatggtgcac 60
 aacaagtttt ccacatccac aatgcgcgca taaaccaccc atccctgtt gccacactcc 120
 aactgagctc acgtactccc acgtagccca taccctcggt tctctcaata ccgggtcccc 180
 atcaatcttc ccaagcttcc acaacatcca agaaaaacaa cattcaaaca gcacaagcta 240
 tcacagccaa gcaaaacaga gcaaaggcag aaaactctgc caaaacacca accaaatcac 300
 agcttttctc acttaaagac ccagtaaca attccttcgt tccagttcat taaccgttgg 360
 atcgactcga aaattntact ggaagtcttt agtacataag ccacanttt tgaccgtggg 420
 atctactaga aaacgtccag aactcactct acattactc 459

<210> 8209
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 8209

aaactaagct cttaagcgag ggtctgggag acaaaggcca agtggtcgcg atatgcgatt 60
 atgatgttcc gactactttg gatttggtac gaccatgccc tcctgatttc cagctgggaa 120
 attggcgagt ggaagaacgc cccggcattt acgcaacgag cataatgtca acccttacgg 180
 ctttaaaagc tctatagttg ggcctaggct ttagagtttt tccttttgtt aaggctatgt 240
 gtcttttgat tttgaattta taatacaagg atctttcttc atctgttctt acgtctctac 300
 ccattctcat tcatttgcac gtttacttca ttttctgaaa cgacagatcc gatgacgagt 360

<210> 8212
 <211> 127
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8212

agcttggtgtt tttaagggtg tacgattata ggctcancaa atttatagat ataatgactg 60
 cctacacgaa ctgtatcgtg ggggggtatga actgctcgac ttgaaactta tggaagagaa 120
 gagcaag 127

<210> 8213
 <211> 169
 <212> DNA
 <213> Glycine max

<400> 8213

gccccctaaa acaaacactt tcttcctgga ttgaccteta tcataccctc cttcttagga 60
 agaattcgcc ctggaattga agtcaaaggt gcctacctca caaagaatca agtcagtaac 120
 atttaaagtg gcgctcactc cctcaacgag agggtaagcg atcttatat 169

<210> 8214
 <211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8214

agcttatata cccctgtcta atgattatga agtaagttct aacttttacc atgcaagaaa 60
 aacaaaagaa cataattaaa actgggttgc ctcccaagaa gcacttcttt aacgtcatta 120
 gcttgacgct tttacctcaa cgggtgatat ccaccttgct ctttaacttc aggacctcct 180
 taccacctc catcacttgc aagcagacat tctgatctaa cataggcttg tcttcttcaa 240
 atagatcaaa attgatcttc tgatcttcaa aaccatttcc caatgtcttt cttectatgt 300
 caactacaca gctngtagtt aacat 325

<210> 8215
 <211> 445

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8215

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 aactttcaaa gtaaaatgtc taattgattt ttttattatt ttattattat tttttcaaag 120
 atattttgat tattttatca ttattttaca gttttttgat ttaactgagg ttacagtaca 180
 aacgatcggg tggattttat ttttaacagtg attaaacgag attgcaacac aaatgatcgg 240
 ttgaaattca ttttatcaat tattaacaaa gagaacggct taaataaatg gttgaaagct 300
 tgtaaaagcg gaagaaaaga atactggaag taaacgagat gaagaatgaa agcgaacaaa 360
 agaagaatga attgaaagct tcagattcaa aaacttaccg gtcgaagacc gaagaacgaa 420
 cgaagaacgg cgaagaatct tcacg 445

<210> 8216
 <211> 435
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8216

 agcttgccct gcccttgat atatttaagg gactcatgga cactatgaat gaaaaattcc 60
 ttgggataaa ggtagtgttg tcatgtattc aaagcccgca ctaaggcata caactcctta 120
 tcataagttg aatagttaag ggtacaacca cttatctttt cactaaaata agcaattgga 180
 tggccttctt gcatcaacac agcccacatc ccaacatttg aagcatcaca ctcaatttca 240
 atagattttt gaaagtttgg caacgcacgt atgggggcat tacttagctt ttgcttaaga 300
 acattgaaag cttcttcttg tttctctccc cattcgaaac caacatttct cttgagcact 360
 tcatttagag gtgctgcaa tgtgctataa ttcttcacaa atcggtataa aaacttgctn 420
 accatgaaac tctca 435

<210> 8217
 <211> 400
 <212> DNA
 <213> Glycine max

 <400> 8217

tggtcaatc ttcacccctt tctttaaaat tacagttaag tcaaggaatt ataaacaatc 60
 ttagtcaaaa tttcctatta attgaaccta tattatacaa ctatcatcga tttttcagaa 120
 actgatgtta aacataattg gttaacatcg gcttttataa aaaatcaatc ctaaccaact 180
 catgttaaca ttgaattttg gaaaaattaa ccgcgtattg gcttatttat aataattttt 240
 acgctttatc caattcactc atctccctca tgcttcgtct tctcagct tctggcaacc 300
 tcgaaccctt tgtcactctc aaactcactc tcgcggcgct gaaaccacta tcatcactgt 360
 cgctcatgat catctaggtc ttagtgtcac ttctcgtctt 400

<210> 8218
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8218

agctttctat cgaaggcaat tcttggtggt gaatctcctt cttccttggc ttattcccta 60
 gtggatggtg cctccctctt cctcttctcc ttttccttcc gctgcttctc catggngaaa 120
 aatcaccatt gaaggacctc attgaagctc aatgatccag cctccattga agctccacaa 180
 gcaagcttcc atcacccttc ttcatctctc ttcttcatct ttctaaacct tcattcttta 240
 atcctaactt gaacaccatt gtatcatctt cattttccat ccaaacacat tcaaactttg 300
 aaccaaatat cttaca 316

<210> 8219
 <211> 456
 <212> DNA
 <213> Glycine max
 <400> 8219

cttgacttga gtcacaaaga gattataaat atgtgacctt ggcatgagtt tcaacaataa 60
 ttatcatcat caatcatcta tctttcaatc ttctctcaac atcattcaat atctttcaat 120
 tctttctaca gaattttctg attctttttc tcttcatctt tctaaaagtt ttttatcgac 180
 actttttctt caaagaaaag ttctttgttc aaaaacttgt gttattcatc tttttcattc 240
 tctttttctt ttgccaaaag aacgaaggac taaccgcttg aattcttttg tatctctctt 300

ctcccttttc caaaagaacg aaggactaac cgcttgaat tctttgtgtc tctctttccc 360
 ctttcaaaag attcaaatga ctaaccgcct gagaattctt ttgattcttc ccttccccctt 420
 aagtaaaaca tttcaaagga ctaaccacct gagata 456

<210> 8220
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8220

agctntatgn gatgtaaaga cctgcaactt ctctattgat catgctggag aaggaaatga 60
 agtgcaacta agtgagctag atgagatccg tttacaagcc tatgagaatt ccaaattcta 120
 caaggagaag accaagaagt tccatgaaaa cttgatagct aaaaaggact ntgtgggttg 180
 acagaaagtt ttattgtata actctaggct cggactcaag agtggttaagt tgagggtcaaa 240
 gtggattggg ccttttgtgg tggctaattgt ttttccttat ggtacagttg agatcaaaag 300
 tgaatccaca tataagagtt ncaagggtcaa tggacaccgg ctgaaaccat tcctcataaa 360
 tccctttctta gcggatgtag tgggtggagga gaccctctta cttcaccta cttctcttcc 420
 gccatgactt 430

<210> 8221
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8221

acttagaaac taagcttanc atttttcttc tcagaagtca accaccactc gattcttcta 60
 cgcaccgcat gatatgcgta agtcttgtgt ttggaaatca ttttgttcag gtccattgaa 120
 aattcattta ctcaaattatt ttcaattatt caataacttg gcttggttcgc ttaacttatt 180
 attgtcattt cacttacaac aggtttatct caaagatcat tgtcccttac cgcttatggc 240
 attgatgtgg tcaagcaatt catatcctta ggcaaaacag tgtccaacta catacgtagg 300
 tagaatgcag tagtacttaa gcctaagac aattaaaca acgcatgtag acctaaacaa 360
 aactgaagc tgtaacattt atgtacctat atttacgatt agatttgtct tgatgtaaca 420

cgtcagtatt gaaacactaa tgaattgttg caagaacaaa tcgatgagct ggtccatt 478

<210> 8222
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8222

taagtcacct gcggcatgca agctttctcag aaaagtcaca accaacctga atcataaact 60
ctttttatctg ttaaaatgag aacacacaca ttattttaaat ttaaataaaa agcaaataaa 120
tcacaaaata gtaactaata atttttcttt tgatatagaa agaantttta gctttgaaga 180
gatgcccac ctaagcataa agtattataa gagcaaattgg tttactatca agtcaaagaa 240
ttgtagtacc acttaccat gtgatagctt ttagcctagt aaattcatta ggagaacttg 300
ccctctatac taggatttca gccatgagac cataatctac agacttcaag agtagcactg 360
ttcgagtaag aaaatgataa atgaacaaaa aactttgctt ttgtgtcaaa gtagtagttg 420
aaaaatgaagc acaactccat taatcaatac aagcacacgc taacacatat a 471

<210> 8223
<211> 267
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8223

ctaagctttg annataatgt gcttcaatag ggatacacia ttttcatgtt gatgactatc 60
tacgaaaaga ccaaagctac aaccaatgtg ataaattaat taggtgatgg aaaaccctct 120
agtgcaccgg aatccccatg cacagtcaga gaaaaacctc aagtacaagg aattacttaa 180
attatgaaaa aaaaaccacc acaatatgaa aaaagtgtag cctaaagaaa aacaatgtaa 240
acaccaacta atgcctccta cccctg 267

<210> 8224
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8224

atgagtcctcc ctatatttca aaattcacta agtctccata ggagagacta gaaccatggt 60
cttttagagtg agtagcacac ttctttacca atacatccac atgaccattt agatatttgg 120
tgcaaaatat agtattatta taagttttat gcgaaaataa ttcaaaattc aaactttatt 180
cttttttaat ttattatatt tntataatct tatatatagg cctttaaaat ataatatata 240
agattaaatt ctattgtcgc ataaattaga atatgtatag ttatataagc tttattttta 300
ttctatatat tatattttta taatcttatg gtattttatt acgctcatca aaactttatt 360
tagatagtaa agatatagta taacatttat cttaaactta taatttttat ataaaatat 419

<210> 8225
<211> 466
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8225

tccatcattt ggctatgcat ccaattcaaa tagcaaataa atataatata ataataaga 60
aaaaagaata aaattatttc ataataaaaa attcaatgca caatcgagac tcatctaaaa 120
tcacagtcac caccatcctt catgttcac atagaactcc atcatcaact caaactaaaa 180
gaaaaaagggt ttcaccaaatt ttaggaattt taaaaatcaa tagaaataaa aagtaaatta 240
acaatccatt gtgccattat atataatttg tggtaattc aaggattagt tagacttagt 300
aatatagtat aatgcataac cataacttaa aagaatgatg cctcagaagt ttaaaaaata 360
aataaaataa agaataatga tggtagattg aagatttttc cttaaattga gtttagctnt 420
gcaagaacat gaaagagcaa cttgtgtctc ctgctagtat gcaaat 466

<210> 8226
<211> 338
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8226

agcttatgaa caagaaagca aatataatga gcattatgat cttaacaaga ttctatctta 60
ttcattgagc aaaaggaact tatataccga ttgagaatag atgcagaaac taacacaaag 120
gcagttacca agtttggtag caatctatta aggttcaaaa tgaattcggc gggaaaggta 180

```
gttttctgtt agcttgcttc cctcgagctt agtggattca gatacgataa taataggctc 240
gggttccttg agacagctng attaagagcc ccccttaagc taggaataga tgttcatcat 300
ttccagcttg gaacatcatg aattgaatga agctggct 338
```

```
<210>      8227
<211>      433
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8227
```

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gtcttgagat cccaacttac actgactcgt gatttanagc aattaatagt atattagata 60
agtgatgaat tcaggtccta tctgttntaa aaaactattn taaaataagt gatataattg 120
actctttaat gtaatattaa tatattttttt attaatatct ctaataaata ttgctttagt 180
ttttaaatct aatattaata ttattttctt ttatcaatct aataagatta attttctaaa 240
attatcattc gattctatct atttattagt tctaattaat ctgtctaaaa taaaataaaa 300
cgacacttat tttgaaatga aaaaaagtaa tatagaatct atttaacaat aaatctaaat 360
taaataaatc ttatcctcaa agtcaatttt ttaaagggaa aattaaatat tgtaacatat 420
agtaaaagca cta 433
```

```
<210>      8228
<211>      354
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      8228
```

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agcttataga gtagtagatc ataaatggaa taataattta aataggtgaa ttaatatatt 60
tttaattgaa atagattaaa atagtagata tttattggaa tacacaaata atacataaaa 120
tttattaata aaaaaatcat tattttatta aaaaaaatat tttattgaaa atataaaatt 180
taaaaaagaa tgcattggac tattntaatc aacataaaaa ttttgaaaat gaaaaaattc 240
aatttctcta tgcaaaaaca aaattgtaaa aataaatttt ttttttctt caaacacaga 300
attttaaaaa aaattaaact ataaaatata aaaatttaaa tttttaaaatt tttta 354
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<210> 8229
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8229

ggtcgtaggc tactgggaaa ttccatacgt ttgcaccatt gtttattctc tcttgctgcc 60
 ccaccactag ccgtagatcc tcatttataaa cctttgaaga tgaacattaa aacacaccaa 120
 ttaacagatg ttggagaaga caaagatgtc atttatttaa ggacaaaact tgcataatTT 180
 gttttttcat gttcttgTTa ttagcttctc aaattaaatg atgacatgtg gattttcttt 240
 tttgcaacat attgctatcc acataccata atttgagttg agaacttgat agtaaaagca 300
 aaatgagaac atgatcacat ttgtaaagtt ttgtctttta tttactact aataaataac 360
 caatactaaa aattcaaac atattgaatt atatgcagan atatgtttgg ntnttaagat 420
 tatctgctgg cgttatgtat cctctgcaag tTTa 454

<210> 8230
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8230

agcttgTang aatatggngt acccattaca tgttgTacta ngtggcggtc gggcgatggt 60
 gcacaacaag tttttcacat tcacaatgcg cgcataaacc caccatcccc tgttgccac 120
 ctccatctga gctcacgtac tcccacgtag cccatattct tCGttttctc aacaccgggt 180
 tcccatcaat cctcccaagc ttccacaaca tccaagcgaa acaacattca aacagcacia 240
 gctatcacag tcaagcaaaa cagagcaaag gcagaaaact ctgccaaaac accaaccaaa 300
 ttatagcttt tctcacttaa agaccccagt aacaattcct tCGatccaat tCGttaaccg 360
 ttggattgga ctccaaaatt tactggaagt ctatagtaca gaagcctaca ttgtgaccgt 420
 tgggatctac taacaaacat ccataac 447

<210> 8231
 <211> 458
 <212> DNA
 <213> Glycine max

<400> 8231

ctttcgattc attctatgca cacatggtgg tccactttgt attttgtgta tttctattct 60
tgtttcattc gctatgttat accccctctt gacgtgctta agccatttta cttaagtcac 120
tcctcgctca acttaagaat aaaatatatt gtcaccggaa cgtttgaatt gtatgatccc 180
gtaactccgg ttaaaatgaa tttcaaccgt tcggtcgtgc cgtagccacg ttggaaatct 240
gaaagaggta aaaaaacata ttttcatcat aaaacatctt ttagcaaaat aaaacggaaa 300
atcaatcgga cgttttctct ttgggatttc tcattcttaa tcgaattgat taaataacta 360
aagtgaaact aaggctaaaa tcaactcgcc tagtcaagct cgttcataat aataggctta 420
tgaagtttgt cattcaattt ctactaagt aaaatgga 458

<210> 8232

<211> 444

<212> DNA

<213> Glycine max

<400> 8232

agcttccaca cacccttcgt ttctagaata gtggacttat tttaatatgt cgagatatat 60
agcatatgtt ttacaattt gtatttagtt tttattaagc aaaaaattac tcgagtaaaa 120
cagaaaagtg cattcctctc tatataatag tagtactggt gcttgaaggt ggtgaaaaaa 180
gatggaaatg ggagatttgg aatattaatt ggtggggat taagaagaat ggctgtggcg 240
gagttgttgg gaatgcagat atagagggaa aaatgcagtg tccatgcttg agaatgaaat 300
agcaatgaac aaaacaaaa tgatgcaact gtgagaggag tgagaggcca tgctgtcttc 360
aattgtaact tcaatttcaa ttttctgtag aggaattaag tgtgcatatt ccgatacgag 420
tggtgcctt tatagacaat gaca 444

<210> 8233

<211> 460

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8233

ntagctggag ggggagtgtg ttataacagt cttnttagt gttgtcataa caccttcacg 60

gtatgcttga gtttgtttga actcaggttc tgcttcaaca tttgctaggg agaagcaatg 120
ataagtctag tcatagcagc tctaatacca tgcagcttaa gagaagaaac gataattctt 180
attgcattag ttagttcaag ttataaagta tgataaatag gaaaagttta ttagaaatct 240
gattacaatt canattaata tattaaaaca aaaaataagg gtaagagcag atgaatctga 300
ttatatcctt gcccagttta gtttgccaaa gaacacagtc atgaaggtat aagcttttcc 360
ttcttttgtt gctttattct tacaactcta tgcattaaat aagttgctta agtcatgaca 420
tgcatgttta gtactatctc catgtctata tataaattag 460

<210> 8234
<211> 406
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8234

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aaagaataaa atcatttcat caaagaaaat tcaatgcaca atcgagactc atctaaaatc 120
acagtcatca ccctcctcca tggtcatcat agaactccat catcaactca cactaaaaga 180
caaaaggttt caccaaattt aggaactcta aaaatcaaca gacataaaaa gcacattaac 240
aatccattgc gccattatat ataatccgtg gcaactcaag gatcagttac acttagcaac 300
atagaataat gcataaccat aacttaccag aatgatgcct cacaagtcta acaaacaat 360
caaatcaaga ataatgacgt gagagtgaag attttctctt aaagga 406

<210> 8235
<211> 306
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8235

agctttagg gttaaagtct cacgattgtc atgtgttgat gtaacatctt gccaaacaaa 60
gtcaggtag ccataactcg cctgtgcttt ttcttccatg ccatatatag caaagtcgtt 120
gatcctgtca agtatgatga gctggaaaat gaggccgaaa ttatactatg ccagttggag 180
atgtattttt cccctgctnt ctttgacatc atgattcact tgattatgga tctggtcaga 240

gaaatcaaatt gttgtgggtcc tgtttatctg tgggtggatgt acccggtga gcaatacatg 300
aagatc 306

<210> 8236
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8236

gctttctggc cnaattatat ttagtaattg caactacata aacttatact acagaatact 60
gatccacctt caaaagtcga attgatgttg taagcaatta cattcccagt agaatcttcg 120
ttcaccacag cctacaagaa caatatatgg aatgtatagt gatagggtga tgagattcat 180
tcctttgaaa gaaattcaga ctgatcatag aatggcactc acattattnt gaataagttt 240
tgctctctga gcanaattaa gtgtattcaa tgtttcagca ggcagctga aaaagtga 300
cgggtcaaatt taaagagagg gtccagagac aagcttgctt aacaacctca ttgactcaga 360
tctttatagt tgtaccacgc acacttgctt gaccactgtg agaagtaaatt tctcatgctg 420
agaaacagtc aaac 434

<210> 8237
<211> 291
<212> DNA
<213> Glycine max

<400> 8237

agcttaacaa acttagaaat caagtgtatc atgaattccg aaatataggg ggagtaaacg 60
aatgcacatt ttatctatat acaattgttt gttgcttgct tgaatcttga tttcaggtat 120
tgtattgtca tcatcaaaaa gggggagatt gtagatgcaa ttggctttga tgttttgatg 180
atgatcatga tgatgtgttg caattgatgc aaatgggctt ttttaagatta aaattcaaga 240
caatacttca agattacaag tcataacatc aagatgatca ctagaatatt a 291

<210> 8238
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 8238

ttgagccaaa atcctgactc accatanacc ttgacccatg gtgataatgc caatccttac 60
cctcggaagc aaaaaaaaaag aagagaagga aaattttccaa tcaaaggaaa aaggagaagg 120
aaaattttcca atcaaaggaa aggaaattcc caatcaaaga gtggggagaaa gcaaaaagaa 180
aagaaagaaa attcccaatc aaagaatggg agaaagaaaa aaagagaagt taaaaagaag 240
aaagctcctg gtcaaagaaa ccagaagaaa tgtgccgaga ggtccttgga ctagacgata 300
tctgaacaat acagaattgt caccaaata acaaaagaaa gaaaaggaaa ccatgaccta 360
aaagtgggtct tctccctttg attaccaacc aaaatcctgt gcgctagcga ctattttctgc 420
ccgcactaaa caaaaacaga aa 442

<210> 8239

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8239

agcttttcct caagaaaagc agcntttgaa gtctcttgat gtaataaacc caagagtgac 60
aacttggtct ttcgtctctt ggccatagaa ctctcagtca agtcctctat ttttcttgct 120
agagactttg cttgggtcta catgtaacaa tatctgtgag aggatccatt acacattaaa 180
aaattcaaac taaatttgtc ttctttgata ctttaaacia aaataaataa ataaatatct 240
gtgttcatat cagtgttcct gccatgactg aataagagga tagtttttat ccattactac 300
agcaaaatac tccgttaaata cattaaatgt aaacagagtg tatntatttt gagaacaatt 360
aatacacttc atctcatgta gatatatgtt caaaatgaag gtagccagtg aaaaatccac 420
tgctttaaat ctc 433

<210> 8240

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8240

ntacattact cctcatgctt ctcacatgt ctaataaggg tttatttctt cgntctgcca 60

caccattctg atccggagaa ccaggcatag tgtattgggc aacaatccca tgttcttgaa 120
gaaattttgc aaatgaacct ggtgcttgtc catcctctgt gtatctacca tagtactccc 180
cacctctatc tgatctcacg atcttaattt gttttccaca ttgtttctca acttcagcct 240
taaaaacttt aaaggcatct aaagcttcat tcttagaatg aagtaagtag agatacatat 300
atcgtgaata atcatctata aaggttatga agtatttcgg actatttgca tccatgtctg 360
gacaacatat gtctgtatgt atgatttcta ataaattaga actcctcttt gcaccttctt 420
agacttgtaa gtttgcttac ccttaatgca atcta 455

<210> 8241
<211> 294
<212> DNA
<213> Glycine max

<400> 8241

agcttctttt ggaccttgaa caagcaatca acttctcttt cagaacctag ctatgtgctc 60
gcgactgggc cctttctttc cttegcaact tgagttcatt attgctaccc cataaagctc 120
cgcgaaattt gttccggcca tactcttctt tgcgagccct cttgggtctct tgttcaaggg 180
ctcttgcggt aattgcatte tcttcccgtt acccggcgca ctcttccga acgtgtgtag 240
cagccaactt gaactttctc ttggcgagtt ttgcctttcc taactcgctt ttga 294

<210> 8242
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8242

ggctngtggn gcttctatgg aggctggatc tttgagcttc aatgatgtcc tttaatggtg 60
atttccacca tggagatgca gcggaagaca taggagaaga ggtgagagga ggcgccatcc 120
actatggaat aagccatgga agaaggagct tcaccaccaa gatgagcctt ggataagaag 180
cttgagagag atgcttcaat ggaggaaaag aaagagggag ggaaagagag agggaggagc 240
acgtaaattg aggaagaaaa agggagagaa gttgaacttt gagttgtgtc tcacaagact 300
ctcattcatc anagttacaa caagtgttac acatgcttct atttatagac tangtagctt 360
ccttaagaag ctntcttaag aaaactttct tgagaagctt ctttgagaaa acttccttga 420

gaagctagag cttagctaca cacacccatc ta 452

<210> 8243
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8243

agctnggctg cattgtgcag agttataaca ttttgattnt tcaagttcct gtctgtcgac 60
ttgtcttgag ccttgcatgt tggtttcagg gaaaattaat tatgttcatt tgaaagcagt 120
agtataagat atgggtctgaa agtttgaacc ctagatgaaa ttgcttgcat tatttctttg 180
tttgataaag ttttaataaaa ctattctcat agcttatttg tcagtcagtg cactttatgg 240
aaatgagagc aaaaaggatt gtgtttgatt tccccaacct gaaattccca caccactgaa 300
tgtgggtcac aaccaccatt ccgtgatatt ttgcctcttt atctct 346

<210> 8244
<211> 53
<212> DNA
<213> Glycine max

<400> 8244

ggctgcagta ataacatacc actatcctga agaatatatc tcttgatat atc 53

<210> 8245
<211> 343
<212> DNA
<213> Glycine max

<400> 8245

agcttatctc acttttttct tattatcttc tcctagaagc tctggagaaa tttatccaag 60
catgccctta gtaattatct tgctggaggt ttgcttgcta tacttggtta tatttacttt 120
tcttttttaa atgtatgatg ataatactaa tcaatgttta cggatgacag gctcacacag 180
tgcttgagat gaactatact gagcagcaat taacagcagc tgctgcttct gatggattac 240
ggcctgtcct tgctgccgat gacttgggta taccgtcaag attattatca atgattaaaa 300
aatgctggga tgcagatcct aataacagac ctgcttttga tga 343

<210> 8246
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8246

cttcactaca tcaagaatca tcgggttgag tcttctttgt ggctctctta ctggttttagc 60
 cncatcttct aaatttatct gatgcataca tgtggatggg ctaataaccag gaatgtctgc 120
 cacgggtccag cctatagcct tcttatgctt cttgagaact gataacaact tctcctcttg 180
 ctcatcaaca agggaggcag atataattac tggaaaactt ttgctatcat ccaagtaagc 240
 atattctaca tttgatggca gaggcttcaa ttctgggtgtg gatggctgga tagtggcaga 300
 aagagatggg ttctcancct gtacctcata aagaaagtca gaggtattgt gtactttctga 360
 cacatgcgta tttctatctg actctatana ttcaatctca agagggtaaa catcagcaga 420
 catggtatca ata 433

<210> 8247
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8247

agctntgagg gtgcgtagcc caccatcttt tcatagtaga gtatcgataa tgtgtctacc 60
 atcacgatca tcgtctccct ttttgacat gttctgtagt tgcacccat ccggaaccat 120
 atcagaatag tactgatact gcctaacaaa ggcaaccatt aggtccttcc aagagtggac 180
 tcgagaaggt ttcagggttag tgtaccaggt aacagctacc ccagtaagat tttcttgga 240
 ggaatgtatc ggcagttcct catcttttgc gcatgcccc atcttccgat aatacatctt 300
 tagatgggtc ttgngcaag tagtccccct gtacttgtca aagtccagca ccttgaactt 360
 gtgaatgacc atgtttgggt attaagaaca actcttctag gttagcaaag gcataatctt 420
 cacctccttc aatggccctg agcctttcct tt 452

<210> 8248
 <211> 429
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8248

gcttgtattg atacacacat actgtaatcg attaccagag aagattntca gacaatatcc 60

tcaacagtca catcttttca ttgtgttctt aaatggccat caaaggctta tatatatgtg 120

acatgagaca cgaatttgct aagttttttt cagaacaaaa aggtcttata ctcttaacaa 180

gcaaaattgt tttatcctct taaaaattcc ttggccaaaa cactcgtgat tcaataagga 240

attatttgag tgctcaaatt gttcaatcta tctctttcaa gagagatttc ttcttctctt 300

cttctttatt ctgaagaggg attaagagac cgagggtctc ttgttgtaaa agaattctaa 360

acacaaagga aggattgtcc ttgtgtgttt agaacttgta aaaggaatct acaagatagt 420

ggaactctc 429

<210> 8249

<211> 353

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8249

agctntaacc tcatcgtctc tcacagtctt tagatttggg atccaatcca atccttgtgt 60

tccgactctc agccacttat gatagccgcc gatgatccca ttactgcttc ccctaagctc 120

tctgtccttt cttcacgccg catcccatgc cttgcgaact ccttggagta cctcaggtt 180

gtggtcactg aaaccccggt cgatgaaagg cgtgatgctt tegtctgatg gcactcctct 240

catggggtag ccaagctgtc ttatggcgag gacgggatta taattaatac aacccttgt 300

tcccatcaag agaacatttg gacatccttc gcatgaagat agaatcctga ttc 353

<210> 8250

<211> 366

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8250

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cagccggtat tacgcctcat gagctttctc atatccagct tactggattt agtttgggtg 120

acttcccttt tagatactta nggtgtcccc tcttatcatc gagattaaat gtatgtcatt 180
atgctccctt gcttctcaag attactggcc tgacttatgg atggagcaag aagtctttat 240
cttatgcang taagttagag ttgattagag cacctattca acgaattgtg aatntctgga 300
tggagattct ctctttgcgc ccatctgttc tggaccgaat caacgcttcg tgccgtaatt 360
ttctgt 366

<210> 8251
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8251

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ctagctattn tgaattctnt agttcctgaa tgtacaacct tcaaattggt ataaaaagtc 120
tattacatgt cgctgtgttt tttaattgtg atttggggca accatgttat aaaaagtcta 180
ttacatgtac tgaacagtca cctacggtat gcttgatgga atataaatac tatatcttta 240
gaaatacaca tgtacatggc atccttagga cttcatccag ctgatgtttg tcgccagttt 300
catcatccac cacccttttc ttctctgcct tctcacgttt gttgttgtaa tcccatattt 360
atgccttctt cccttcatgt cttggtttat cacaactcta gccgaatgtc ctatcttcag 420
cacagttgaa tctcttgtct tattctccaa tgacacactt tgat 464

<210> 8252
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8252

tatgttcttc taacagttat atctcttgtg aatgacctct ttgaccagac atgaagagtc 60
tataaaagca aggtctgttt ttgcattntt aatcaatctt tctaacaaca atcttgaata 120
cttttgcctt tccaatcaat cctttacaag ccttgaaatc tctttgaagt tcttcttctt 180
cttctttgta cgaagagctt tctgaagttc tctantttct taaaccttga aaacttgccg 240
tattcatcct ttttattctc atctaccttt gccaaacaga agttgccaaag gactaatcgc 300

ctgaattctt tatgtgtctc tcttctctct ttacaaaaag aacagaggac taaccgcctg 360
aattcttttg tgcctcctt ctcccttgtc aaagaattca caacgacaca gtct 414

<210> 8253
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8253

ttaagtcgcc tgcngctgca gctttggcaa ggaagaagaa gattataaat tttngcaaag 60
ttctctcaac agtggctcta aagaattgtt aanaagttat tgaaatgcaa gtcaaggtct 120
tgcttttata gactcttcat gtctgggtcaa gataaccatt ggaagagtta taaccttgag 180
aaaaacctca aaaccattgg aagagttaca tctcttgatt nttattcaaa acttgtcact 240
gacaatcgat taccaaaacc atgtaatcga ttacacagag cattttatga aaagatgtga 300
ctcttcacaa ttgaatgtga atttcaacgt tcagatacac tgggtgaccga ttaccaatac 360
a 361

<210> 8254
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8254

ctgcacaaga ctcttaatat ttgaagagta ttcttgcgga accttcaacc gatgaagaca 60
ctaacaaaaa cttatattct tctttatgga caaagtatgg caagcccggg gcaagcaaat 120
tttgggtgcca tcagaccctg gatgcaactg tgatcgaatc cacatatcag ctagatcttg 180
atgggtattc aagccatcct tcgtcttgcc ttgaatgtta agaagcgtcc ccatcacact 240
gtcacatata tttttctgca catgcataac atcaatacaa tgtctaacgt ctagatcata 300
ccagtacgga agatcaaaga gnatggacct cttatttcat atgcaactct tac 353

<210> 8255
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8255

cacaatagag atgtagcgaa agataaggag aagaggtgtc tcacaagttt cacattcatc 60
aaagttatga caagtgtctac acatgtttct atttatagcc taggtcacta actatatgag 120
agctctcttg agaatcttct ttgagaagct tccttgagaa gctagagttt agctacacac 180
cccctctaata agctaagctc accttctcga gacatttctt tgagaagctt ncttgagaag 240
ctagagctta agtacacaca ccctcttaata agttaagctc acccccatgc gacaatacat 300
gagaaatgct agctacacac atctccctaa t 331

<210> 8256
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8256

agcttggaag gaaacaccac tgtcgttggt aattatggat ccatttgga aaataaaacc 60
taatgtggag ttcacaactg tctgactgct tgtctctccc aagaatgcc tagttntttg 120
taagacttgg gttgatactg aaacttgtgc tttcttaciaa ggtaggttg tgccatatat 180
atagatgagt tctaataatta gtgctgcatt ttttaaagat tgaaaatacg catgcacatg 240
ctttctgtat gtgttgtaa ctacacgaat gacatgacat gctttagctt cctgacaccc 300
ccatcgttgt atctacaaaa agggaaaaaa agattattta ctcatcatac cacttctctg 360
anaactattg aggttaacc attcaatctc attgatccat cttgtaatgt tatcaacata 420

<210> 8257
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8257

gtactntat gctttcagca nagcaacttt acaaacttaa tcgctcggat gcttatatta 60
tctgaccag tggtactatt ntaatatatg gcatatatgg aataatgaga aggggtctctg 120
aaagatattn tatatacaga tgtcctaciaa tcttccctaa caaactcatc cactcaatct 180

catattatgc aggagtacct caatgtgtgt ccattataaa atatgacggc ttatactgtc 240
attcttggtgta atgaatagat atgggtctac gatcaaccat acgatgacac tgatctccac 300
atctacattg gatatcatat aatga 326

<210> 8258
<211> 393
<212> DNA
<213> Glycine max

<400> 8258

agcttatccg gcctctcatc aggagagcct tcattaagaa atactgcatg cccaggcagg 60
cacaggagca gctagctaca gatgcaccgt caccgcctct acaggagaca ccatccctgg 120
ggctctatctc tgcccacttg cagagggttag aactccagat gcaaacatac atgcaacatg 180
tgactagcca gaaggcgact aatatcaagg gccagggtgca gctaaacgag acttttctacc 240
agtacattat gcaccagcag ggccaggacc ccagtccttt cccttggcct acccccgagc 300
agtttggtgc cacagtggcc ttgcctagag atgagcccaa ctttgagaca ggggcaagac 360
ctataggggc ccctagggac gacagaggag ctt 393

<210> 8259
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8259

ctgggtgaata tgtccacgag ttgcatggag gatgagacag gatggagctc tacgagaccc 60
gcggtgactn tgtggcgat aatatggcaa tcgatctcga tatgcttagt gcgttcatgg 120
aaaacgggat ttgttgctat ctgaattgca gactggttgt cacaatacaa ggtggctggc 180
tgaatgaatg ctacaccaat gtcttggaaga atatatgtta gccattgcag ctacaggtgta 240
gtagatgcga gagcttgata ctgacttcg gaggagctgc gggagacagc ggactgcttc 300
tttgactgcc accaaatgag tgaagaacct agatagacaa ggaacctgt agtggatgtt 360
tgagaatctt tacatccgc ccaatctgaa tcactgaaag ctggaagt 408

<210> 8260
<211> 435

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8260

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agcttggatc agccatggcc tacagttaat gtcaatccag ccactgggag aggatcaacc 60
cctcataaag agaagtttca tagttatctg ggagttgtag cacgagagaa aattcctatt 120
gtccactcca attggaatgt tgtaccagaa actttaaaga atcttatatg ggatgacatt 180
tttgtaagtc cttattttaag ttgacatttg tatatgattt catataataa ttgcaaaaat 240
atttatatttg actaattggt actgaacaat tttgttttgg agggcaaatt tgacatcccc 300
gaggggtggca atgcgaacaa gaaggtgatg tcaatggtcg ctactcgatg agggcaattt 360
aagtccttcc tgacaacaaa atatgtttat gctaatagtc anggtcaagc anaagatgat 420
ccttctatta agtat 435
```

<210> 8261
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8261

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tattcctttc tcatgataag ggatattcta tattacttgg ttgatatgga ccaaccttga 60
gataaacacg tcgtatttca tctctttgat caaaaggaaa ctcccacatc attgaacgca 120
atccaggatc ttgctctata ttaataacat ccatatcttc tacttcaatt cttctacatt 180
ttaaagggttg tacttcatca aattaaatta acaatcttgt gtgacatttg aagcttgtgg 240
aatacgaata agctgagatg aatcaataat attattgttg tctttcttct ttaagaatga 300
aaaagagtt ttttgagttg acatcttcaa caatacacct gtagtatatt tcttttacia 360
aaaataaac atacaaaata aaagtaanat aataatatat taagttaaga t 411
```

<210> 8262
<211> 556
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8262

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 cgggtagatg tatcacgcgt tgaagactgt agatacacia gatcgaacga ggaatctttg 120
 aagaactgtc gagaatctac gcgtccttac ttgacgaaca cgttacggaa acgttacaga 180
 agcgtctcgg gttggattnt attgaccgag ataatttttc tcagcacatt ctcatgagag 240
 agaagtgcct aaggggctga acgctattct tcatcacttc tccccctatn tatagcaaaa 300
 taaggagaaa gcttgccgac catctcgtcc aggcgagcaa tggatgatctc tccataagaa 360
 caaccttctg gaggaatctt atggagggcc ccagtggaca tggatgctat atacacaccc 420
 cttctactaa atgcacgcct tattatctgt ctgcataattt gttgccgaac gtacagactt 480
 actaattacg acgatactgc tttctgttcc ggcggtaaga atcctacgga ttgtgattac 540
 tcgcttgctt aagacg 556

<210> 8263
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 8263

agctggcaag taccttagat aggggttaat taatataaca gcaggcctcc agaaaatatg 60
 gatcattaat tcgataatat ggatgatgta aattattagt tctcctgcag aagtgaaaac 120
 atactcactg cttcacaata caactttttt tctacaacgg atccacctgt cttttctccc 180
 ttgtgttaaa atgaatgtga ctatgggtga ccatcaaata ttccttattt ttatcccaa 240
 tacatagatc aataaaggcc agactcaacc ttatacaaat aaaagtccca ataattctta 300
 agacataatt tgtatatagc atgccaagga catgacac 338

<210> 8264
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8264

gactatatca aactcattga tgtatgccgt actacaatta tgtgcaacac aacagacatg 60
 gatgatgtga acaggaacga gacattcaac gtgctggcag aagattaaac tacctgaaca 120
 tgcattgcta atcttctgtc tacacttctt tcataattct gctaagatcc tttatgcact 180

gctgggtttc tacaacacat ataagaggcc aatttccctc cattcaagtg tgttaattga 240
 accacaaggt tcacaactag tgcctctctt tcttcatacc tgtaatgcga gattntccat 300
 ctttcattgt cttatcatca cagggttaact gaactcgtcg tgatttcac ttaattgatt 360
 taaccaacga tgataattca tatatatctt tcgttgactt cagagcatct aatc 414

<210> 8265
 <211> 126
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8265

agcttctata taagctgaac catnttatca atattcacat gttgagtttt actcagaaac 60
 acagagttta tctctgtatt tttaggagag tgatactcct acattcttta ttgattctag 120
 aacacc 126

<210> 8266
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8266

actcctacat ctcatctgta gcatgcattt tctttcttta cccactcctc acgnttggtt 60
 ttttatggaa aaacaccata actaaacgcg ccgcaaggga tccctatcgc accagatcca 120
 aatctagaac gatgggtgat caagaggaga cacaggaaca gatgaaagcc gacatgtcag 180
 ctctgaaaga acaaattggcc tccatgatgg aggccatgtt atgtatgaag canatcatgg 240
 agaagaacgc ggncaccgcc gccgctgtca gttcggctgc cgaagcagac ccgactctct 300
 tggaactacg caccagcctc tctcanacat agtaggacgg ggaagggaca cactgnnggca 360
 cgatggcagt cctcacctgg gatacaaccg agcggcttac ccttatgga 409

<210> 8267
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 8267

tggctgtttt ccaaggctac acgagaaaat aaggcttgca acactcaagt gtttctgctc 60
 tcgggaaaag aagcatttct cacacaccag aagacatata gcagatcgaa cggtcagatc 120
 atggacattt gtcttatgaa cgtccagatc aaatttcgag aagatccaat ggtaaataaa 180
 ttagaggagg cgcttttacc gagacagctc agacaacttc cttgagaagc tttctcgtga 240
 ggcttccttg agaagcttct ttgagaggct tctttgagaa gctagagttt taactacca 300
 caccctcta ataaataaac taacctcta gaaaataaaa catggataaa ataacacaac 360
 agataaaatc aaacatcaat tatcattgct aataatatc ca 402

<210> 8268
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8268

atacaagaat gaagctctga taccacttgt tagacaagtg gtatcagata tcttaagaat 60
 ggaggttgaa ttaagatatt acaactatt tccccaatta aaattatatt tcactttcta 120
 ttcaagttac aaattccctt aacaatgaac tcttaataaa taattcaaata agaacaatct 180
 gaatataaat ataaaacaat aataaataaa agagttaaag ggaagagaaa gtgcaaactc 240
 agatntatac tggttcggtc acacccttgt gctacgtct agtccccaaa caaccgctt 300
 gagagttcca ctatcttgta naatcctttt acaagttctg aacacataag gacanaccct 360
 tctttgtatt cagaattctt ttacaacaag agaccctcgg tctcttaatc ccttagagaa 420
 atagaaagaa gagaagaatg aatctctctt gacagagact agatttaca tct 473

<210> 8269
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 8269

agcttcagag ggttacgtca ctcttttagc atctgtgatg tatatataat aaaagctctc 60
 tcggcatact cctctgtaat gtgtgaaaaa gtaataaatg ttatattgga actatattcc 120
 aaaaggaatt taattgggtg cattaagact ctccacttac attattagtt cattcaatat 180

gggggtgatg gaaatattct tgggtgtagt gatcgtgaaa gatggttgtg agattgatca 240
 tggcaatacc ttcttgaact aaccagtgtt acttatcatg ggttaccaa caactgacgt 300
 tgatcatgat gacatggtga catttgtacc taacttgtac taattaacga gagttacaaa 360
 acatgtgcta taattgtaat gaacggaaa gaatttttct ttttcaaca attgcaata 419

<210> 8270
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 8270

gtatatgat cttgataatc ctttggccaa ggaattaatg gaagtctatg agtccatggg 60
 cgacacatta tcctttcaat atgggggctc tgcattgacac catagggtaa tctctctacc 120
 ttctggagtt gggactttat ggattatgaa atgtcatttg ggatcagaat ttctacacat 180
 aattattata ttttaagatat gcatgagttt atcttaagct taacattgaa tacagaatga 240
 catcagttaa tctaaatctg acagcttatt gcttctatta cgatgtctcg aaatccaata 300
 tatatatgcc attttattgt attgccaatc ttctgactc cgcttaattt gttgaggctt 360
 ggatactata tggatgcctt attacatcac atgattcttg tctaactagg tcctatactt 420
 ttacaatcat aact 434

<210> 8271
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8271

agcttatgct gcanacattt acaatagacc tcctcaacct tatcagcaaa atcaaccaca 60
 gcagaacaat tatgacctct ccagcaacag atacaaccct ggatggagga atcacccata 120
 tctcagatgg tctagccctc aacaacaaca acatcagcct gtccttctt tccaaaatgt 180
 tgctggccca agcagaccat acattctctc accaatccaa caatagcaac agccccagaa 240
 acagccaaca gttgaggccc ctccacaacc ttccctcgaa gaacttgtga ggcaaatgac 300
 tatgcagaac atgcagtttc aacaagagac cagagcttcc attcagagct taactaatca 360
 gatgggacan atagctacac aatngaata acaacagtcc 400

<210> 8272
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8272

gctccttaac tgcacaaggc tcttaatat ngaagagtat acttgtggaa ctcttaccgc 60
 atgaagacac tgacaaaaac ttatcttctc cttnttggac aaagtatggc aggctgnggg 120
 caagtaaatt ntcttcccat cagaccttgg atgcaactgt gatcgtatgc ccatatcagc 180
 tagatcttga cgggtattca agccatcctt cgtcttgcc tgaatgttaa ggagcgtccc 240
 aatcacactg tcacaaacat ttttctccac atgaataaag agtttagtcc ncattgagca 300
 tttcaagaag agcatggagg gagtgtgtca caattcgggtg aagcagaagc cctttcttgg 360
 acaataaaga gtggaatacc canngtagtg gtcttgacta tggcaatgac ttcgtgcaat 420
 gtctggagac aaacaacaaa gttcta 446

<210> 8273
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8273

agcttctata taagctgaac catcttatca atttagacaa gttgagtttt atgcagagaa 60
 ttagagttta tctcttttat cttagtgaga gcgattcttc taaattcttg agtgattcaa 120
 gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct tgctggaaag 180
 agtgaatctt tccttccttt catcatcacc cttgttcttt canaccacaa ttccagaaaa 240
 tccacctctg cccagaatta tctcgtggcc ataactcca ttttacgcac tcaaattaag 300
 tgattcttga gcctaaattg aatntcagaa cgagaccttt cacctgcgtt tggaatc 357

<210> 8274
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 8274

catgggacca actcattnta tttcacaatg tcgtatctag ttcattgtctg atagaccgta 60
caagtttact agcgatttct aattatgtgg gtcattaagt ctatcatatg ctgacaatag 120
ctgagaagcc cgtgaatttc ttcgggggcg gagtaggtgt ctgccatcga cttggccttg 180
gctaacaatc ggagaaaggc tagactcctg ttcacggcaa gagcaaaccg atccatccac 240
atggatgcct cttggtgtac agagtcgac acccttcctc tagcctcttt ctccgcgtat 300
acttgtgcat actcgtccgc caccctatgc tcgtggggcg tggctagacc taacacctct 360
tgggtactcg tgatgatagc tagcatgttg gtctctgtct accataaacg ctgagacaag 420
cgtctcttgg accttgaaca 440

<210> 8275

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8275

agcttctcat tntccaccac aagtttatca atgatttgtc gctgtttcat aacatagatc 60
cataataata attaataagg ctgataattg aagtgaccga accattcaaa aagttcaaaa 120
aaaagtacac tcctgtttac taagggtgag aatagggtcat catttacaaa atcaattatg 180
atatgacacg ttggctacaa aatcaacagt aatcagacaa aatgaaaaat tatataccgt 240
ctgaagtagt ttgttctctg gctgcatgag tccagcctac aatatatctt tgaatcagat 300
tttcatataa tatttgatta actcgggaaa aactctcaaa aagagaaaat gagggaaaaa 360
tgtaaaanac gaatattcta tcatccacat tcatactgat tgaaaaatga agatgattta 420

<210> 8276

<211> 342

<212> DNA

<213> Glycine max

<400> 8276

taaggaagca gctccattga tatcatttaa tttatgcaat gcttaagccc gaataagaga 60
acttgtatca caggaaaaga tctaatacaa gtcgaattag ggatcatact gatttggtg 120
gtaaaactgg cttgaagtag ccatctgggt aatatccaaa ccacgaagtt tcctttggta 180

ttaaaacagt gtcgtgctca aactgttaat gtataaaata agattacaaa tatataagct 240
 tttctcatga aatcaattag caatattcta ttcataatat cacacaaata cattcagagg 300
 acttaccatg ataagtacca aattctgcta gctactaaat ct 342

<210> 8277
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8277

agctntctac actgccagtt aacaatgtat gatctctacc ttagtttggt gctcttctta 60
 gtaagttctt aatcagtgcg gtggcattgt ccgaagggtt ttatcaaatt attgggtcat 120
 tttgtccact tggctaacca tataaaagta tcaataagaa ttgtaatgtg gggtttcatt 180
 ttgttggtggc tgtggattgt gctttacttg gttttcaagc ttgacgagag ttacacgccg 240
 agcaaagttt ccatccatgc cggatgatgg tttcacaact tgaaggtaaa tttttacttt 300
 attggcttgg tgtcgacttt gggaacattt ttatgagatt aagaccatgg aactcgtgaa 360
 gccaaactggg tgggtttatg tatecttgta tggagctga 399

<210> 8278
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8278

attctaacct cgaaattcaa gaaaacactt tgatntatta tgttnntggg ataaaaatgg 60
 tcattgacca atccctattc tatgacttga cccaattatc tagtgaagggt gtaccatttg 120
 aaggtaacct gaatgatgat tggaaatttg attactttgc gcatgatgcc cgccagttgg 180
 ttttcaccaa ctaagcggat atgaccggaa ggctttttgc cggatcattg gctcttgaaa 240
 gccgtatcct tcatatctt attgtgcgta ttntacttnc aagatcttca nacattgcac 300
 aagttttctaa agaagatctt attgtcatgt gggctttcat actggccaac acattgatgg 360
 ggcacactta g 371

<210> 8279
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 8279

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agcttctcat agaagcttct caaggatggt tctcatgata gcttctcaag gaagcttctc 60
aaagaagctt ctcaaggaag tttctcacgg aagcttccta ggctataaat agaagcatgt 120
gtaacacttg ttgtaacttt gatgaatgag agtcttgtga gacacaactc aaagttcaac 180
ttctctccct ttcttcttcc ttcaatttcg gtctccccc tctctctttc tatacctatt 240
tcttttcctc cattgaagca tactctcaa acttattatc caagacattc tcttgatggc 300
gaagctcctt cttccatggc ttattcccta gtggatggca gctccctca cctcttcttc 360
tttatcttcc gctgcatctt catggaggga aatcaccatt g 401
```

<210> 8280
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 8280

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tgtcagttat aatatatacc gtgctgagac atcaagacaa cattatacaa taacaacaag 60
gggtgtctgca atcatcattc acttggacga tatttctagt tcaatcaaat agggtcacta 120
gtcacaacag caataatctc tcaaccacaaa catcaagata aaaaacagga taatgcataa 180
caattttaag ataaaagctt gtcataaaact ggatgatcca ctaatccaat tgacagacaa 240
ttataaatgg atcattcttt cttcttttac tggaggagct tcggaataga ttgactctct 300
ctacgacca tcttattgac gggaattatc actacgttag cggctcactc gggttactcga 360
gaatccaaat tattctatct cctgactgta gcaatgcata gcggtcaata ggaacatttt 420
cttctc 426
```

<210> 8281
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 8281

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agcttgagac ccattcttcaa gaaatatata agactcaaca caaggacatg agttcaaagt 60
```


aaatagggtt agtaacagta ccacctatgt ttcatacaaa caacagagcg agagtagatt 120
 tcacttcatg gataactacc ctgacctcat cattggaaat tacactgatg gaaacttggt 180
 atgaccccta atggcttcta aacttcgact aacttagctt ggtttgtggt ttgttaatgc 240
 tactatgggc ataacagtat aaacacacta caaatagcta ggttgttttg gtgttggcag 300
 ttctctaaat gcaactcaat gttgtgtaat agagttaggg ctgtcgacat tacctatttc 360
 acgacctgag ttagggtttg aggtagagac tgtagctatg ggccgcttcg ctgcgcctga 420
 ctttgacgga cacaatatgc ac 442

<210> 8282
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8282

taagttcatg actgcacaat gaaatgcatg gaaattgacc tgtacgtagt ccagattcct 60
 cttccaccat ttgatataatt gattntggta tggacatatt tcttctcaaa tagagttttc 120
 gcaatgagaa aaatgacttt caatgttgtc taatgtgcct aataaactat gttgcaaaaa 180
 ttaaattata atcactctta aaaataaaaa gaggacacgc taaaagaaaa taaatttaaa 240
 tnctaaaaaa gccaaagaaa taataattaa acatacccat aatttcttca tagttgaaaa 300
 tataattaaa gaacagtgat gagaatgatt taaaataaag tataaatggg cacttattaa 360
 atngaatttg gaagtaagtg ataaatat 388

<210> 8283
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 8283

tgatgagaac ttcatgtcat ttctcgtaa cgttttgcc aactcaggt ggctagatga 60
 cgaagaatta tcttgacaaa ggacatgttt taaccagtg ctcatctggg gctcattggc 120
 atcacatgct acattgctac tatggattgt gctaataata gtgggcaaca tattgtactg 180
 tccatacata atatcaaagt gacgccttga tgagtaagac aagctccttt ttcaaactcg 240

agtgcttcgc cttagtcatg gagaagggtgc agtgtattta tacagtcctt atacatgtac 300
acgatctatg at 312

<210> 8284
<211> 381
<212> DNA
<213> Glycine max

<400> 8284

tctaacatat cgatcgggtg ttagtacaga ggaactcgtc ttactagcac atcaataatg 60
tcttgccctct ttttcattca tgttttatat cctcataact ctaattctta ttcaaacaca 120
caattctatg aataaaagaa tcttaattaa tgtatttgaa agtcttaaaa tttaaaatgt 180
ctcaacatct tagattttct catccaaaca cactctaaag gaataaaata aaagaagaaa 240
agttgaatta cattcatgaa gaaaatcatt atctccaatt tctttttatt tatctatacg 300
ttgtttaatg gaaaccacat actacaatca atcttcttaa ttgtaataaa atacctatac 360
aatttctatt ccttgccctt c 381

<210> 8285
<211> 364
<212> DNA
<213> Glycine max

<400> 8285

agcttaaaac aataaacatg tccttctttt aattgtcttt gggctgggag accacgagca 60
ataaagtact tttggcacct acaatatgtt gacttcgcca acgctgatat tggaatgctg 120
cgacaatctt tcaacaactt attcacacat tgtgataagc tgggtggcat gtgaccatat 180
cgccgtccag atgcatcgta agccatgctc cattattcct gtgagattcg tcaatccatc 240
ttgctatagc tggactcaat tgacgaaatt tttctaagtt ttgatcaaac acatgcttgc 300
aaggagtgta cgctgcatca aatgtgttat catcaacagc tgtacgtata catgaaactc 360
aaat 364

<210> 8286
<211> 146
<212> DNA
<213> Glycine max

<400> 8286

atctgatcat catgacttga taaacgccat atacaaatca ggcacatgaa gagggcgaga 60
atgagggaca agcccatgct gtgactgcc a ttcctataca gccagtttc ccaccaaccc 120
aacaatgtca ttactcatcg aataac 146

<210> 8287

<211> 440

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8287

agcttgcat tgggaattgcg aaagccccac tctatcatta tgattagtag ctgacatctc 60
anacaaacaa atcaaacgta acaagacaat tatagttggt gtttgaatac ctcacccact 120
caagtgtatc acacaattat ggcttttctc taatgaaaca ctcttgccct ttaccactct 180
aattccccct gagttcttag gcaattcaag agattatggc cacaacaaag aacaattcac 240
caatatgtgt aaggtaaggc tagagagaca aggaaaagg taaccaagaa aaaggctaac 300
aatggtttta ggcacaaatg aaggaaataa aattcagaat ttaggaattc aagtaacaat 360
ccttcatgca accaatatat taccttaaag agattttttt aaagtcttaa gcatgaacca 420
tcagccaatt ttttttttta 440

<210> 8288

<211> 457

<212> DNA

<213> Glycine max

<400> 8288

acatgcctca tgacacctaa gcacacttag tggagaatct tgaactcgat attggattag 60
tgggctgaac catatatgaa attcactaat cataattagt gaaatattgg ctccacaaat 120
tcaatttcaa attcaagtga aatttgaatt gaaattcaaa tttccctcca attttgtgtg 180
acacttaggc tataaataga ggctatgtgt gtgcattttt ccaactttga tcatttaaaa 240
attaaaattc aaattttata gctctcttat agtacaaaat ttcgtgcttt tctcttgctc 300
tcacttcatt catctgcttc ttctccaag ctcttatcca ttggcctcta tgggtggtgag 360
cttcttctac gctcatcttc tcttgaagt ggcgtctcct ctctctcttc cttctccatt 420

ccactggcat tcattctcca agaagcaaag gaatcca

457

<210> 8289
<211> 475
<212> DNA
<213> Glycine max

<400> 8289

agcttagcta cacacacca tctaaaaact gatctcacct tcttgagaag cttacttgag 60
aagctagagc ttagctacac acaccctgt aataactaag ctcacctgct taggaagaga 120
agctagagct tagctacaca cccctataat agctaagctc acccccatga caaaatacat 180
gaaaatacaa aaaaatccta ctacaaagac tactcaaaat gccctgaaat acaaggctaa 240
aaccctatac tgtagaatg gccaaaatac aatgcccaca agaagaaaac aaaacctatt 300
ctaataatta caaagaagag tggacccaac cttgacctat ggggtcaaaa atctacccta 360
agggtcatta gaaccctaag gccttcttta tcagctctag cccaatcctc taggagcctc 420
ttgctcatgg ctctggtaac tggtcctttt ctaggaggaga tagcatcaca ttatg 475

<210> 8290
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8290

ctgagaggaa cgaggattat ggctacgtgt tggtagtga gctcagttga aggtgggcaa 60
ctggcgatgg tgggttcatg tttaatttgt ggatgtggga gagttgattt gcaccatcgc 120
ccgatcgcca cctattacca catatgacgg gtaccctata atcctaccag cttgaagtga 180
gaaagtgtgg aagagtcaat ctgtctacct ttatttgatg actacagagt ggcacctgga 240
gatatgtctc aggggtcagg ataccttgcg gacgttctgt ggagtgcctat ttnccacaac 300
caagcttgac caatcccgac ccaaccagc cataatcagt cagtgagaac ctgtgacata 360
cct 363

<210> 8291
<211> 466
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8291

agcttgtgcc ttttcacgtc tggaatatga atgtagcata tagatccaaa gacccttagg 60
tgctntgttg atggcttctt cccgatccaa gcttcaattg gagtcttgtc ttttacagac 120
ttagttggac atctgttgag tatgtaaaca gcagtgtaga ctgcttcagc ccagaatgtg 180
ttaggtagtc ctttctcctt gagcatcgat ctagecatct ccataactgt gcgattcttt 240
ctctcggaca ctccattntg ttgagaagaa tatgcgactg taagttgtcg ctcaatgcct 300
tcacctcac aaaatctttc aaactcgca gaggtgtact ctctgctgcg ataacttctt 360
agtactttta tccgttttcc actttggatt tcagcaaggg ccttgacttt ttgaatactc 420
caaagacttc ttgattttct tttagaaaat atacccatgt cattct 466

<210> 8292

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8292

ctgaaactca tgatgtaatg ttctaactat ctatttaatg ttattntcta gtgttctttt 60
tgcttctatc tacaattatt ttacatgctt gtggcttgat caccatttg tatgtttagt 120
taggttcttt agtcttggaa aatgctttta aacctataa cttgatagag catgctacaa 180
atctatttgt gtacgaatga aatacacgac tctactatat tttacattgt atgttttagta 240
caactctctt agaacgagtt tcgtgatgaa tcaagaacaa aaactaagag agttaggctc 300
gatcattcat gtgaagaatc atgggtctgag tattgtctca gtgtacgaac actaggataa 360
tattaaat 368

<210> 8293

<211> 494

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8293

ggatcttaag caccgcggct gcagcttgtg ggtatctggg ccggatccct gaacttagat 60

taatgagtta agcttgtgaa catgtctcta ctacgcctta attaatttta nttatcgtga 120
 ttgtacgtaa ggtgttgatt aatttattaa cgttttatat aaatttcatt agtgagataa 180
 ttggtacttt nttataccaa catgttgcaa atggatattt tccaaatatt tactagcttt 240
 tcaataagct taatttcttc tcttagactg ttgattgata gtaggtgaag tctatctttt 300
 ttttttctcc tttgtgtaca agagcgagaa tgtttggttaa ttagatacct gaacgtggat 360
 taatgagtta atcttgtgca ttgacaaat atttagtgtg aacatgtctc aactcttata 420
 ctttaattga ttntattatc atngattngt aggggatgat caatttacat gttttatata 480
 aatgtaatta ttga 494

<210> 8294
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8294

attcaacaat aagaggtgca gtttactgta tcaccattaa attaatcact ctctaatatg 60
 cattaaatta gaaaaatatac aggattaagt taaggattca taccacctta acgtctctat 120
 ataaatgagc aagttcctag cctattaaac aaaccagcac ctaatttcac aaacaagaaa 180
 aaacctacca attacgtgaa gtcagtgagt gatattcaag gagatgagtg gccaaaactc 240
 ccatcaatca aacacctcan aacattattc cagttccctt caaaatcaca agcatggcaa 300
 atctgtgatc cctagtgatg gtgatcacac atcattgcac aggttcatca gctctagtca 360
 tcattntggg caatcgcgga acttcaacat cataagttat gaacaacaag tgtatcaagc 420
 aattcagagt gcanaatata ctatcgaatg gatacaacgc ctacagtctt atgaacgagt 480
 agtggatc 488

<210> 8295
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 8295

agcttctgaa ttgtcctcat ctctctgttg tcttatttat tcttctaagt aaaaaatgac 60

aatgaaaggg acagatacga tgggaattcac gggaacatac aatttgatga cggtggcata 120
 tttgaaacgt aaatatgtaa ggcaaattat attcaagtcg cgtccaattt gtaagaatat 180
 actggtttga gtaaaataat ttactaaaa ttactagt taaactttga ctgaatgcat 240
 gctgacgcca atctctgtgc atagtacaaa tgctacaata caacatatgc atccctcaca 300
 gttgcagtgc aagtttaata caaactataa tgtgattatt gtataaatga acacaataga 360
 atcgagtact taatcgacac aattaaagca acaagttcag aatattcaga tatcaggagt 420
 tgcagaggag aatagaataa taca 444

<210> 8296
 <211> 470
 <212> DNA
 <213> Glycine max

<400> 8296

actgattgta tacatctcta tgctgttaaa tgatcttggt tacacaatgt aatattctgt 60
 gtgaagatgc tgatgtgttt taagagtata tgggaaacac caattccttc gaagatggct 120
 gcttttgtaa ggaggggtgt gcaggatacg atacacacaa aaaggaactc gaggaggaga 180
 aatatctaata tacagccagc agactatgtg tgtctctttt gcactctata ggaggaacct 240
 atggagcatt tgatgttaag ctgtacattc tcatcaagca tctggaataa gtgctatgct 300
 tgggtggcga tacatactgc ccaacagata tcctacaatg cacctaaggc aacattcatg 360
 tgggatcttt ggaaagaagt tggcggtgaa acggatgggt gtatgggtgtg cagtgggtgtg 420
 atctctatgg tcacagagaa atattctgct tttaacgatg gaacatggat 470

<210> 8297
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8297

agcttaagag cgaanactac ggntgctaac ttattatcgn gtatggaata attcctttca 60
 tgtatcttga gctgttgaga agcatangcc actacttgct cccactgcat aagcactcca 120
 cccaaacca tcttagatgc atcacagtac accacanagg gttcactcgg gtcaagtaac 180
 actaaaactg gtgcagtggc caacctttcc ttaagggtac gaaaactact ctcacactgt 240

<210> 8300
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8300

atatacaaaa gttagtcata taaagtgact aacaagcatg tgctaagccg aaatccacta 60
 atgcatgttg agcgggtccat agtcgcgcta agcacgctag cacaacaaa gccacctatt 120
 taagcctaac atcaaatttt ggagaggatt ttggccattt tctcaacgag cttctgcatg 180
 tgagagattc tacagagaga acggtttgaa tccagagaat ttgagaggtn tgttgtgcga 240
 agacctgcag agaactgaac ttgaagagaa agtcgtcctg agagcttgag atgagtttgt 300
 gagtgattgt gacgtagag gtggaggaga catcttcacc acttatatnt cttcaatctt 360
 tcattmntct cttctc 376

<210> 8301
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8301

agcttgccct gcccttgat atattttatg gactcatggn cactatgaat gacaaattcc 60
 ttgtgataaa tgtagagttg tcatgtcttc aaagcccgca ctagagcata caactcctta 120
 tcactaattg aatagataag ggtaggacca ctttaactttc ttctaaaata agcaatggga 180
 tggccttatt gcatcaacac agtcctaacc catcatttga agcatcacac tcaatctcaa 240
 acgatttatg aaaggttggc gacgcaagta tgggggcatt agtcagcggt tgcttaacat 300
 agaaagcttc 310

<210> 8302
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8302

agcttcccac acaacaaatt cccaatatcc tattacaata caataacaca gaaaccctat 60

ntctgttcac tgggttccttc agctgctcct tttgcctact tatatgccaa gcttcacatt 120
gtccgcgttc tggattgccca tttttgctgc catcatatca catattcttt ggtgctgtta 180
tgggaacccg atgactgcta agttggcata atattttctg cattacacaa tttgctcaag 240
atacaatagt gggttatattc tctcaagcaa aattttggga ttcggcttac cacaatatct 300
gcattgtcct gggttagagcc acgcttacct ttactcacta ctacataaaa gagatttaac 360
aatggttatg attcaagttg tacacacaca taaaaaattg gtgtatatat aaacagaaga 420
aatatatgag atatgtttca ataaatttga agtattaata aa 462

<210> 8303
<211> 184
<212> DNA
<213> Glycine max

<400> 8303

gcttcttatg gaagctatct attctatata tagaaacatg tgtaacactt gatgcaactc 60
tgatgaatga aagtgttgtg agacaccact cagagttcaa cttctctacc ttgttcttac 120
ttgaatttcg tgcccacctc tctctttctc tcaactcttcc ttttcttcca ttgaagcatc 180
ctct 184

<210> 8304
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8304

agcttgcatt nggaggggtt ccatctaccg ntctaattcc ttgatgctng gggatatctag 60
gcttttgacc ttgacttggt agaacctctt gccggtttga tttgttccca tgcttaccaa 120
agtgagacaa aagctggtgc aaatcaaaac tccgatatct catgggtggg gtggatgaat 180
gcatgaagga atgcctatga cacagatgca atctangaat gcgnggggtc cggggaattg 240
tctccttctt agacacaacg tctaggggta gcaaagtgcc ccaacgtatg tattttaaac 300
ggtgacctgc accctccgtt gatttgtcta tagaggggat caagacagaa cccatatgtg 360
atgcatatgc aaaagacgca atgcgggaat gtgcacagta tgacaatatt taccgaacat 420
aagcaaaagg gtatatgata ctcatg 446

<210> 8305
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 8305

agatgaggaa gtgtagaagg gtgacacttc ctgctcttat tctttgacca cagagtggta 60
 cctggagata tgtcacggtg gtcaagagac cttcgggacg tcaggtgggg tgcttttgcc 120
 caaaaccaag cttgaccaat cccgacccaa cccgggcata gtcagtcagt gagaacctgt 180
 gatgtaccta agcaggcgag ctgctaccag tcaacacgat ataaggaaca cagaccacaa 240
 accaaggagg cttgtgtggt ggctggccag ctgtgaatta tgattgatat atgggatatg 300
 gcctctggta atcgattacc aagggtgggt aatcgattac 340

<210> 8306
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 8306

acacattaca atgactcagt gtctgacatg tttatttcat gactccaaca catgtttatg 60
 tgtaaaaata cttccaaata tatgcgtagg catgtagatg atatgcgtcc atagttagta 120
 gagatcaaac atgcaactga tgatgagtag gggtgaaaat aagttgaaaa tttcttagag 180
 acctagggtc caacttattt aagggtgtaac tcaacttggt tgatctaaaa caaaattaaa 240
 ctggaacttt tttaaaaatc tttttaatta aataggctag atcataagtc ataagataaa 300
 tctataaggc tcgatagatc gaccttgta ataataatca ttctaatatg atatatcata 360
 ttataatttc ctttctaaag c 381

<210> 8307
 <211> 590
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8307

cggcacgacg cgttgacanc cgttggtttg acgcctttga gtaccatcgt catctacgtg 60

acactatana ctacgtaagc ttgaggaata tgacactgca catgctgctc tggatgtggg 120
 tgcattctgt atccccacacc ccaatgcgtg ctgctctgat cacagaatgt gatcatcnta 180
 ctgcgaggca aaccttattc tctctagtgg cagcatgac tctatttgat gaagcttatg 240
 tgcccttttg atatactctt tatgttgctg aatgttctat atgaccaatg attgtatctt 300
 gactgtctga aagggaaaag gtggagtaaa gccgcttttg gccttgatac tgaaatgagc 360
 ttgaccgaca tattgtgttg aacagaagag tgctagtacc cctctattat agaggaaaag 420
 gccacaccac acgattgttc tctctacgac tgtcaccatc acgatgatgt tctagagaag 480
 gcaccagtat cagggctaaa gctacattac gtcacacctg gtctactcta ctgcagtgcc 540
 tatcattgct tgactatata atatatttga cgaccgctac tgccgctgcn 590

<210> 8308
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8308

agcttcctcg gggccattcc tgcgaagaca aacttttgga aagttagttc acaagaaata 60
 taacaatcat tacaacaag ggccaaacaa cacttcttat ggacagagt tcaacatgca 120
 ctttataaaa taatcatatt ggggtcatgc tattttatga cacatacgta tttgcacaca 180
 taaaaatttt gtatgaagca ttttacgaca cctatccatg catatatttt tttttttgac 240
 aaaccttttc atgctacatc ctatatatat acacacagtt tttttggaag gcttcttttg 300
 ttacctactc acanatacac atatttttga aaaacaacta ttacgctacc caatcaacac 360
 ttttgtaggc acttcatgct atatatattc atattatgca aggcattttc atgctatata 420
 t 421

<210> 8309
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8309

tgctgtgctt tcaactgttc tgtctagacc catttcgctc tcatattcgc ccataacat 60

aacccgagcc accatcaaag cggcaccaga taagcgtggc tgcacagag gagattaaac 120
aacacatgca taaagttggg caacaaggaa aagaaaacac aatccgcaa aggcgagtga 180
agaaaaaaaa gagacaaaga tctccagatn ttacaagaaa cgcacacaag tgcaacgaaa 240
gactaatgta taagacaaaa ggagtagagc ccaacccaag agttgaaagg aacaaaagta 300
ctatcaagcc tctgaagggtt cttactcaat ataaccctca cacactctnt gagccctctc 360
taatctttct ttcataagccc ntcttaccct tgaccacatt acaaacccaa taaagcccat 420
gtggat 426

<210> 8310
<211> 419
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8310

ctgcagcttg acagaatcat tctaatttca agatttctgt aaaagatgaa ctgccctttt 60
gttctgcttg ttgtatggga aagattcata gatttccttc taagttttct canaccgtgt 120
ataattctcc tttggaatta atatacagtg atctgtgggg ccctgctcct atgaattctc 180
attgccaatt cagatattat atgtcctttg tagatgctta tttgtgggtt acttggatat 240
atTTTTTaaa gaataagtct gatgccttgt ctgtTTTTaa acagttcaaa tctcttcttt 300
tctgtcagaa ttggggattg ttcataggct gacttgtcca cttacacatc accagaatgg 360
tatagtggaa agaaagcatc gtcacatagt tgaattaggt ctttctcttc ttagtcatg 419

<210> 8311
<211> 405
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8311

atcgaggagt caaanatctt atttatgatg attaaaaata aaacttaaga gcagctocaa 60
cgatacgttg ttcactaaca tggagatgca aaataaactc aaaggcagtt tcttaaccat 120
tggagtactg tatgagtttc tcaacttcgtg ctagtgagtt ctttgcaaag aaatagttct 180
ctaccgcana agtangtoca ttgcaataaa aagtaatatt attatattaa gttaaagtaa 240

tgtgaagtgc ttttttatca tgcatacatn tttctacctt taaaaaatat atccattgca 300
 caataatggc aataaatgaa tagtaaattc tgtagtgta aatcgtaaca tctttgtaat 360
 tntctcacac acaacaatct ttcaattgcg tctatattgt ctctt 405

<210> 8312
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8312

agctnntggg gcatatgtac tttaagtgag agatatgata tttaaaattg gaataataat 60
 taatattacg agtaaataac atatacaaag atgattaatt nttacataat caatcacata 120
 ttatcatata atgtaaattg attgatagta ataataaaaa tataaaattc atattaatta 180
 tgatttaagt tctaaacatt atagatgata tgataaaaaa aatgtgtata aaaatgagaa 240
 attaagcaat aatgagagat aataaaattg aataatgaaa gagagaaaga gtgtgaccgt 300
 cacagcttcc aatagattgg tgggtgctg caagtacttg acgacccatg ttagaacact 360
 tgctgtggtg tcatgtgcag canagatgac accaatgaga atatcaacaa ctcgagactc 420
 tgtgtgctgc tgatagtaca tcttggtctt ctcacctoga gct 463

<210> 8313
 <211> 505
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8313

cgttattccg actacttgtc taaaccacta accaagcgac atgtatatat gcagctcttg 60
 agaaccttat tcacaacata tcgttttctg tattagagta tgatttgact atatcttcgg 120
 atggaataga tgtttcataa actcctttaa tgcattctat ctatattcat gaatcataag 180
 acaagttatt ctctcggat gatttgatt attaaaaatg tacataatgt tatatgtgtg 240
 tatgtacgta cgtataagtt ggatgaggca tttcttattt atgagacttg ctngctttgt 300
 gtcacggaat atatattgtg atgatataga tgcattgtgt ggcgattaat gcagcatatc 360
 ttacgaatct attctaata caatgacaag agattgtgaa cgcttaatgg tgcgcataat 420

taaggagcga acaccganag accatatacga cctatctata tatatatatg aatcttctcc 480
acattatatt ttgcgttcct atgtt 505

<210> 8314
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8314

agctnntatg taaaaggatg tgactcttca catttgaatt ttaatttcaa cgttcaaagg 60
cactggtaat cgattaccaa aacattgtaa tgcattacag ctctttgaaa ttaattggaa 120
cgttgtaa at tcaatttgaa aactttttca aaacaatttt gctactggta atcgattaca 180
gaaatctggg aatcgattac cagagagtaa atactcattg gtaaacaatgt tttgagaaaa 240
atcatgtgct actcaatttt tgagaaaaac ttttcatact tatctcgatt aagccttctc 300
ttgattctcg aatcttgagt cttaaaccct gatcttgatt cttgagatct taaaccttga 360
atcttgactc ttgactctta actttcttct tgagtcttga attcttcttg agtctatctt 420
gaactcttg 429

<210> 8315
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8315

actctacctt tacagctnta ctatttccac tgcttcatat tgttctcaaa ctaccacttg 60
taggccttgc attctgtcat ttgtttatga tttgctgatt atatttatca agaacgtacg 120
agatttgc at tggtatccat gatatttcta tttcattatt tttctttata gattttta at 180
atgatattta ataatacatc ttacttggct acatgctcac agtgggtataa tattctatat 240
gcagtgttnt tttgatacac cagggctcat gttgaattgc ggtggatttc cttatangga 300
tgtcaaggtc cgtgttgaaa gtgcttggag ttcagtcaat ctctatgaag tgctcatagt 360
catttctgac gttcatagac atattaccag gtcnagggt tatttattaa atggatgagt 420
agtcctatac tcgtgtttac cctatttctt ctatatatag acttggtcga taacttctta 480

taagactata g

491

<210> 8316
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8316

agcttcacat gaagctacat cacttacaat gaattgagta tatcattngc tataagatgg 60
aaagatgaac tagagcctac gtgacatctg ctacactcta gtggcaacat gaactttgtc 120
acataataacc aagatttgggt aagctcagct ctatttggtg gatggacgaa acttatagag 180
ttctatgggc tcactagaaa tcattatgtc gccttgaccc actatggata gagtgttttc 240
ctcctcacca tcttcaaaag cagctttgaa ccaaaagttt ttcctaaatg gcctccttgt 300
accaccaagt tcctaactca gtcactttta aagtcctact cactgagtac aaagtgactt 360
gcatcagtn t ggtgagtaat taagcactcc tatntgtatg tcaaaatttg atatcatata 420
attatcta ataaatttct tt 442

<210> 8317
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8317

acacaggtct tgactgcgat ggngagaaga ttaccattgc agctagtgat gaatgggtggg 60
aagccaaaat tcaggtatgt attattcaac gaaaatagag tttctgtgta ggccactcct 120
ttgtttttta tgtgtgattc ttgactgtgc ggcaaaaatt gaagttgcag actgtttttt 180
agaaacttgt gtctaaaatt ttagttgata attcacgtcg gttattactc tgttactcgt 240
tgcaattgag gtagtttaca tgcaaacaaa tgaatgtgtt gatatagtga tgtttctttt 300
aaaacctaat gaaatggaaa tntattggca tgttctttat tactctatct ttattgtctg 360
ctgcatgttt atctgcatcg ttoggtattg catacaggca tggt 404

<210> 8318
<211> 74
<212> DNA

<213> Glycine max

<400> 8318

ctcctctgtg gactctggga acaatcccg catagccacc gttttgaaga gcaacttcca 60

gctctatggg cgtg 74

<210> 8319

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8319

agctnttacc aattcagagt atactttcta ttttggagac ataaaggga tgagatntga 60

gttttgaaat gcttgaatgc attctaaact ctcatcagan aagaaatata tatctatgaa 120

cttaggggtca atgatacaat gagaggagaa taggtttgtg tactgtatac gttgttcac 180

cgatgagaac aatgaggagg aggaaataga ggaaggaatt ggaatatcct gagtctcgga 240

gtgtcgttgg cttctactcg aagaaccttt gtgcttcttt aatgggtcca ccatttgaga 300

gattntttca naatttcaat cggttgaaat gaaagagaac tgaaaaagat gaagtttggg 360

ctttgtgggg agtgatttgg ataagaaatg agtgagttat 400

<210> 8320

<211> 329

<212> DNA

<213> Glycine max

<400> 8320

atggactctt acatttgaat ctgaatttca acgttcaagc aacttggtaa ttgattacca 60

caacattgta atcgattaca tcattttgat atccattgga acgctgtaaa ttcagttgaa 120

atctttctga agaccattct actactggta atcgattaca ataatcgggt aattgattac 180

cagagagtaa aatctctttg gcaaaaaggg tttgagaaaa atccatgtgc tactcagttt 240

ttgaaaaaac tatctcatat ttatcttgat ggagtcttct cttgattctt gaatcttgat 300

cttgattctt ggaatcaaaa ttctctctg 329

<210> 8321

<211> 438

<212> DNA
<213> Glycine max

<400> 8321

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agcttgcaat cactaagaga ctcttttaac atcgatagac taagacttag ctttcttatt 60
gatctttggt ttcttggtct tgatttggac ttaaaataaa acttgtgttt cttttgtctt 120
ggcatcatca agaccatcat acacatacat tcacaaacat cgctatattg tcgtaacaac 180
ccattgtctt ttgaaccatg gatccctccc actcaagttt tgggtgttatg cattgtaaat 240
cgcaacgtgt ctcatcaatc ggatgccctc tcttacta aacaaaaag ctccattaga 300
agtcttggtt catcgtccat caaattatag taaactaaca gcttttggtt atctctggtt 360
tccttgggtc actccatata caactaaca acttcagacc aagtccttac catgtgtttc 420
taggttacia tcttactc 438
```

<210> 8322
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8322

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gcttcattaa tanatcgagt cctactagct ctagtcctct tcatattatc tattctgatg 60
tatggcgggc aacttcaata aatccaataa aaggatattc ctattatgtc atttttattg 120
atttattttc acattatgtt tgctggctgt atccaatgaa attcaaattc gaaatttcca 180
ttattcttcc agtttttaaa tcctttgttg aaaaccaata aaatgtcaaa attaaaattc 240
tttatactaa caatgatgat gaatacatta agttacggtc gtccttcta acttatggaa 300
tatctcatgt aacaacttcc cataccgtg aatatta 337
```

<210> 8323
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8323

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agcttcgaag ggctgagaga gaccagtcga gagtctaatt catgatattg gaagacaggt 60
tgaaggcttg ctaaaggtaa aaaaagagtt tgtttgagga attgagcaag acggaagaaa 120
```

<400> 8324

<210>	8325
<211>	451
<212>	DNA
<213>	Glycine max

<400> 8325

3541

<210> 8326
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 8326

ctaagcttct tcccaatcca ttggcaaata ccaatgcaat ctgagttggt tactctaaag 60
 gccataata cttggtttct cacacctctc cctcctggaa agcaagctat tagttgccgt 120
 tgggtctaca aaatcaagtg caaatcagat ggttctcttg aacgctataa agcacaatta 180
 gtagcaaaag gctacacata acttgaaggg attgattacc atgacacttt ttcactact 240
 gctaaaatgc gtacaatacg ttgtttatta gctctggcag ttgctcaaaa ttggtcactt 300
 catcaacttg atgtccacaa tgcatttctt cacgaagatc tttttgaaga aatttatatg 360
 tctcttcctc ctggttctca gcgacagggg gagaacctag tgtgcttctc aacaatctta 420
 tatggataaa ac 432

<210> 8327
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8327

agcttctatg aaggctggat ctatgatctt caataaggtc cttcaatggn gattttcagc 60
 catggaattg cagcggaaga taaaggagaa gacgtgaaag aaggcgctct ccactataga 120
 ataatccatg gaaggagaag cttcaccacc aagagagtgc cttggataag aagcttaaag 180
 agcttcaatg gaggaagaga atgagagaga gagggggggg gggggcctgc taattaatag 240
 tgattacgta caacaggact gccttgacta gttattaact gaatctcaac tgtttgggat 300
 gccattggag aat 313

<210> 8328
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8328

acaacatcca cgcaatntca acatccgaga atcatgaact atcaaaaacca agcaaaaaca 60

ggacagagggc agagnactct gccanaaca canaccaata ccacaactnt ttcttactca 120
 aataccccag taacattctc ttgtttccaa ttcgtaacc gttggatcga ctgaaaatc 180
 ttactggagg tccctagtag ataaatctac attgtgaccg ttgggatctg ctgaaaacg 240
 tgcagaaccc aatctgtact actctcttca caaccagcac atacaaatca ttntctgcac 300
 aaagccaaaa ttctgtaca catttcaaca gaaaattct gcataatagt gcagattatt 360
 gacatgcac ttgccctcgt ccaattntgc ccaaattgaa tctacacgt cctacatcat 420
 gtataaatca t 431

<210> 8329
 <211> 234
 <212> DNA
 <213> Glycine max

<400> 8329
 cacttttaat gtggaatatt tatgcacatg cgtatgtgta gaatatccca ctatttatgt 60
 gaacgtacaa ggacatccaa cacattccaa ctgccataca tatattattt tgaacagAAC 120
 acacaatctc atgctctagg ctctgcgcc gaactcacac ctaatcacat cctaaatatt 180
 ttgctatcag aaactaccta cacatatttg aaacatatat catacagggc ttca 234

<210> 8330
 <211> 270
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8330

tgtctttaga ggttacttcc tccctgacat cttttgttnt gaatggaatt gccatgacag 60
 gtttattatt actgtntttg atatttgga cgcgatattg tgttggtgga ggtaatttcg 120
 attggattaa ctccatctct ctcaattgcc agtttggtat gacatttgct gttggatcac 180
 ctatgatttc ttgtttccca gggtaatcta tatcctcttt gatggcataa gcatgacacc 240
 aatcaaagaa taggacatta attctgactc 270

<210> 8331
 <211> 504
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8331

tcaacttata tcttattaaa ttaaataattt atccaaanta tncacaacag ttgaccttgt 60
gcaccatctc gacccggacc ctaagtcacc gagcagcaag caaaaataca ttttatattt 120
atttcggaga aatatgattc ctgactctgt gatgtntcca tgactataaa tactgaacgt 180
tttaaactct cattatacca tttcatgaga ttaagtgaac accttgaata tactattaca 240
tataagagaa gtgttgactc aacaattgaa tgggtccaga aatataacgc catcaaattn 300
tcataaacac cacattatga gcctatgtga ttttctacta tgataatata cctgagcgcg 360
ggtccatct aactaatttc agtattacta aaaaatcgta accgataact atgaatatga 420
tgatattgca accgcatgtg acggtgatgg gtacttatat attgaaatga cactatggat 480
tgctgtctta cctactgatg cagc 504

<210> 8332

<211> 292

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8332

attcataaaa gttgttgggt gcaccagcaa tattgctgcg cgcacctaac atctcccgag 60
aatcaatagt atcatacca gtatgttctg tcttgattgc tgatcatgctt attctgtggg 120
ggcctactta aaatctaaat gtccatgtat tgatattggtt aacgatctaa ctcatctcag 180
atttaattat tctattttaa tcttctata tcatgtctat atnatttttag aaattttact 240
ttttactcca tgacatgact actttcacat tctagatgat tatattattt aa 292

<210> 8333

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8333

agcttccaat catgcttctg tacagactnt gatcaacact ggtgccagct tcaccccttg 60
acagcttcaa gtgagtaggt gcaggtgttc ttttatggct ggaattttcc atcccaaact 120

tcttgacaat gttctttgca tacttgcttt gtgagaggaa catgaagtct tccatctgct 180
 tcacttgagg tcccagaaaa taagtcagct ctccaacaag actcatttca aattcagatt 240
 gcatctgttg aacaaaatgt cgaagcatct cattcgacat ccttccaaac acaatgtcat 300
 caacatatat ctgtgctatc atcaagtttc tagcatcttg tttgacaaag agagtcttgt 360
 caattcctcc ctctctatac ccttgctgag taagggaact ctgtagcctt tcatac 416

<210> 8334
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8334

taagcttcta gcacaataga cttaccttga cttaattcct ctgatagcct ctttgagcct 60
 tgtctgcctt tcttgtttt gaagctcact acaagcctta agtgaaaaac catgatatca 120
 ccatatcctt aaggaatttt ggagctctgg aattgttttg ggaataagtg tggggctctt 180
 tggttcattg aataacatgt ttnggtggcc atgcattatc atatattnn agccatactt 240
 natgtacatt gcatattggc tcagatttgg acatgctgaa t 281

<210> 8335
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8335

agctntgcgg atntggtctt caccggcgaa aggatcgaag tgagtctgaa atgaggaaaa 60
 nttgatcatc ctgctttgat gaatgcaaaa actggggcaa atgaagagga tgagaatgag 120
 ggagaaaccc ttgcttgat tgctattcct acacggccaa atttcccatc agcccaacaa 180
 tgctattact cagctaataa caacccttct cattaccac caccaatca tgcacaaagg 240
 ccatcccaaa atcagccgca agacttacct gccacatgac caatgccaaa caccacctt 300
 agcacaaacc anaacaccaa c 321

<210> 8336
 <211> 429

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8336

 cgcaatgaac tcggtgaagcg agcatgctgc gctaagcaag ttcattcagta ctcatgtgt 60
 atacaggcgt tctcggaaga actcgctaag cgcacctacc gcgctaagcg agttcatcct 120
 ttgaggatga aactcattg tcgcaacgtg cccttttgcg ggcgggcgaa ggcgaggctc 180
 acgggtgctc tttccaaatg aggaaagatg cgcggagtcg ccaccaacgt ttatttgtgg 240
 agaacgtcgg acaaaccgaa ggacaccggt caaatgaat attctaagtt cgggagttgt 300
 atttacgttt gaggaaggta ttagcacctc tcacgtttgt ctcanaggac aacaacctat 360
 ctttcagaat tgtggcaaat ggtgtatctt aactttaagt tctttctaata ttttgagggc 420
 gacaaaagc 429

<210> 8337
 <211> 457
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8337

 agcttctagc caaatggact taccttgaat tattttcttt gatagccctt ttgagccttg 60
 tttccctttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatattacc 120
 atatccttaa ggaatttttg agctttggaa ttgttttggg aataagtgtg ggggggttgt 180
 gtttcattgg acaacttgtt ttgttggcta tgcttcatga tgtatttttg gccatacttg 240
 atgtacattg tatattggtt aaatgttga catgctgaat gaaatgttgt ttctcaaagg 300
 ctaaagagta aaaaaaaaaa atctaacaaa gaaaaagaaa agcaataaag ttgagtgaat 360
 aagatcttaa atggcacaag aatgatgaaa ctctnggttc tactcttcat nngttaattt 420
 tatctntact tctctttaat ttcttatnt cttttct 457

<210> 8338
 <211> 403
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 8338

gcttggcaat aacacaacct cgactctcat tgagtgtaga acactttcaa gtggtgctca 60
gttggagaat agtcatgagc tatgatgcaa tcctaccccg caagggcatt ggatagaaaa 120
ctccaagtag attgtgccag agatgcaaga gaaggcccta gggttcttat gaggccttacg 180
gtagatttct ggcgcacatggg ctaagtacga gccacttat ctttgtaaatt attaaattaa 240
ggtttcatta tttttgggcc ttgtatttac ggctccataa tgtatgtagg gtaccctaca 300
aatatacgat ttttcagccc ttgtatttta cggcacctag actagttttt gtattaaggg 360
tagatntgta atcttacatg cactaagtgg atattngatg tgt 403

<210> 8339

<211> 468

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8339

agcttgaaga agtnttgtct tttatgtgcc cacctctttt ttggcatttg tattgattat 60
tgcactcttaa tctctatcta tctatatgta catcatgcat catcatgtaa aggtaggaag 120
attgtttcta aagttagaaa attcttcagt gcataatact ctctatttta atcgattacc 180
aggttggtcg taatcgatta caagagttgc ttgtagcttg tagagagatt atagtttcga 240
tttaatcaat tacctagtat ctataatcga ttacatagtt cagttgatac catgtctggg 300
ttttcatgag tctctgcttt aattgattac caggtgatgg taatcaatta ctttgttctt 360
aaaagtgggt ccataagtgt tcgacggtcg ggtagtgcac cggatcgctc aagtagtata 420
aaacagtaag tgaatactga gtatcgaact ctcgagtctc acaacatg 468

<210> 8340

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8340

gagatccaag aaggataaag cagctgaagg aacctgttcc gctcctgaat atgacagcca 60
tcgttntagg agtgctgagc accagcagcg cttcgaggcc attaagggat ggtcatttct 120

ccgggagcga cgcgccaga tcagggacga cgagtatacc gacttccacg aggagatagt 180
 tcgccggcgg tgggcatcgc tgggtacccc catggccaag ttcgacccaa acatagtcct 240
 tgagttgtat gccaatgctt ggcctacagt ggagggtgta tgagatatgc gatcctgcgt 300
 gaggggggta gtggatccca ttcgatgcgg atgctctcag ccagttcttg ggatatnctt 360
 tagtgctgga ggagggccac gaggcgcaagt a 391

<210> 8341
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8341

agcttctgag agtggtaaca accaaaataa agtgctatgg cctatgggta cagtcagata 60
 agaacactca cagaatcaac ggtcttcata gcttgaggcc caggaaatgt cttgccagaa 120
 ccatggctct ttggaagtag tcgcccctca acttcttccc cactgattcc tctagcaata 180
 ttccacaacc aagtactgca atgctgtaaa agctagaatc aggaatagaa taccaacaga 240
 ttgcaatgaa gacaatcaaa tggacagtca tgagtaatta agtaactaaa tcaaaactgc 300
 atggcatgca attggagaat aacacaaaag ttgcaattta aaatatgaga tccanaaaat 360
 gaaatcagca nagacagcca aatgatgctt tggtagtaga tatatataac atcatgtaag 420
 aacttagaag acatactcac ccagttattga tcccatacca c 461

<210> 8342
 <211> 374
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8342

tacctgggtat caatctttaa gattatttat gaatagttct ggatgttagt ctcatgctat 60
 tcacaatgca attttgacag ctacgttgaa attggctcgg taatatcaat acttcacatt 120
 agaataagaa ttntagatat gattgactac gtaggcttag aataactatt gtggtcacta 180
 cattcttaaa aatgtgtgat aactaaccaa ttctatctca tagctggatc aaggtaggag 240
 agaactgtca acaggacttg attgcatcat ttagtaatt ntagaccatg ggaaattaaa 300

ttcgagcaaa caactaatga gaagcacaat caagcattat gcacagtaga gaaacaaaag 360
 tgcaattatg ctga 374

<210> 8343
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8343

agcttagtac acanaggatg attctatatt tctttagaat cttntaatgg ggaggaccaa 60
 atgcttgac atagcttgta acatcacttt caaagctact cacatctata ggaaagacaa 120
 tcactataac attagagaat tacttgagta aagattctat tcttgacata ggttttggcc 180
 tagtctacca tggacttttt gtaactcttc tctcctttca ttaataactt tgctcaattc 240
 gctacattat cgattattca gagtgggcat tgatcccatt tgtgtcgtca taccctgcat 300
 ttatgaaaga tttcttttac taggaaagca tctgtttgac cctggacgtg agtcgaacta 360
 tgttctgtgc ttaatcgaca ttattagata ctctnttata agcatcaata tcattattga 420
 ctactaatta tgatattct 439

<210> 8344
 <211> 392
 <212> DNA
 <213> Glycine max
 <400> 8344

tcttgaccaa gactactaat ccttgactaa tctaattaag tgtctttggt tatgaacaag 60
 agttagaaga cgacaaataa gccttctcta tccctagaca caacaccctt gaggagtttc 120
 tctccatttc taagttcaga aatattttct aatgacaatt caaattacaa catcaagtaa 180
 aggggtgatca aaccaaaca agcattaatg catagaagaa aacacttaat aatgaataat 240
 aaacatggat taataatcaa aatataagca taaggataag ttcagttaca tcaactocca 300
 aaatggataa atctaactac ataaccacaa gaagaaaata agacaataga tgacagagat 360
 gatgataaat ggtagggaag tcatggagag ca 392

<210> 8345
 <211> 442

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8345

agcttggttaa caaatgttca gaaatcaaga attctaatat tgtggacaag gttcgttacc 60
agacaaaact aaagtcactt aattcaggag attttcaata ttaatatcca agctgacatc 120
gcacaagatg taaaggagaa ctggtcatg tctaatagaa ttgaattcaa gcaatccctt 180
attatattatg ttgaggcaac agtttctgtt gttttagtatt ttttcttct taaatgattc 240
cgtaaaaaaa aaaaaaaaaa aaaacaagtc aataattaag ctttttagcct ttatttatca 300
ttattttgcc gccctctgag tttttgcttt gctccatctg gattattatt attttttatt 360
tcagttttta ccgtattact tcagttcttg taaaattgta tcctcatgtg gaagaataag 420
aatngtcact ttgcacatta ta 442

<210> 8346
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8346

ntacgttgca tacaagaaac aagagatgct agaagcacag attataacaa agaaacacga 60
attaagagat agaattattaa agataacgaa taaagaatat aagcccaagt gaacaaaaag 120
tgcaacaattg gctaattattg acacgtaagt gccaaagcagc ggacacaaaa acttggttaac 180
aatatttggc aagtgaacca gatcaaacaa gtagcataaa atagaagtgt aagcattatt 240
taaaagatga ttgattaaa aactaacatt attctaccct tagattcagt agcagaaaat 300
aaaatgtaat taatagaaga acacctatct aggcattctt atcaaacacg tactatgcag 360
ctaaattgat taactaatga taacgaaaca ttgttggggg ggacttcttg cacaccattc 420
ttcatgtata taacaataat aaataactta accatacact atcaatatgt tcatgca 477

<210> 8347
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<212> DNA
<213> Glycine max

<400> 8354

tcatagaagca actctcctag ggtcaaaagt caaaatatag tccctaaatg ttcttcgatg 60
aggatccaga atatgcacca gaataagcct caatatcctc cacttgcaaa gtaaataggg 120
cacaaacgga gacaaaaggg ctgggatcag ttgaaaagcc ctggatttag ccaatccctt 180
ataacaatag aatatgtatt atgtaaagtc cgtagagct gcacagataa ataaaatact 240
actatggaaa gaaagaaatg ctgcaagcca aaagcactta cttgcttatg tcataagat 300
ggcatcaaaa atctacaacg tcattccact tctcggatgc aatatagtcc aacaagacta 360
gatatgctga tggctctttg agagaaaatc gatggttccc atctgactga accaactctc 420
agttcttaga tgtatcccta acatatagct aaatcataag aaaaggcaat cttggtaat 479

<210> 8355
<211> 616
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8355

ctacacagac gactcntaaa cgtgtactca tcgtangact aattctaant ttcacaaata 60
nntnannnnn anaaaagagg tttgaaaccc tagttgcatt cccatagcag naccgcgan 120
nccctagagn ncanccgtcg gcatgcaagc tttacaacag acgcctcttt actcctagtt 180
tttgaacgat angncaacaa ggaacataa gtatattcac cagacaaca tcatatgggg 240
aaagagaatg aagtgtatg aataaaaaga gccttccacc caagcataaa gaccctgcga 300
gggtaaccat gccccgtaca ataggacacc tcaactatggg aaaggcacac attgacccgc 360
gagccacaac taaatagatg cgactctcca cgtgcaaaag gtggggagag tcggagatca 420
cgcccactag gaggactcta caacatgctg accgcgccat cacctacca aaatggagta 480
cttgacgatg gactgcgcag agtgaacaa cttatcttac acggccgaca tagggggaac 540
ggagatntgg gacgaaactg acatacctcg aagagtggga gaggtatata cgagaactac 600
aaactgatag ccgaag 616

<210> 8356

<211> 529
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8356

agccgcggtg agcctgatga cccttgaacg cttgaagccg cgcncatana aactcagcgt 60
 tgagcgcagc acacagattc tatgtgtgct aactcctta tttcagtggg cgtagtatgt 120
 ctgagaagag aaagtgacaa tgaaggatat attggagcaa actctatcct ttcaggaggc 180
 tataacatca atctaaacgt gctccagctg gatttacagc taaaatctca ccggctctaa 240
 atttgactct cccacacgca aatttaccct anctatggat cttanttcac tatggccatt 300
 tgttcttctc tctagatagg ctaacctgtt tacatgttgt aaaggattta agctagggta 360
 actcatatac acccatttac ccagaaacag atttaccttt cactctcaag cctcctatat 420
 acacttatag acacatctac ttctacctag gtactctgct tcacctaaag cttcctaaca 480
 ttgcgactaa ctcacagcac atataaacct accctgatgg catgtaccg 529

<210> 8357
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8357

agccttttat ctatagactc cttnttggnt tcttggatgc acatgatatc aatnttatta 60
 gataaggtca gcttcttgat agctgaccat ttgataccat tacccaaccc tctagaattg 120
 tgggacagaa tattcatgag tcaagttgtt cctttcccat cacagcttgt ggtgttgttg 180
 atatgtcagc ttgttttaat tcattcttca tgctgactat gttgcctgaa ttctcttcga 240
 aagtcattcc taaatctctg gctacatccc aaaaaacact ctcttgggcc tccttattct 300
 gtttggttga gttgcatgga agggtagggc tgagctgagg ctgaaac 347

<210> 8358
 <211> 223
 <212> DNA
 <213> Glycine max

<400> 8358

cactaatgga tattctgtta cagtaaactct cttagcctgc gatattacac attataaaaag 60
 atacactggt tattaattaa atgcggaaag tacagatcag aaacatacct gctgccattg 120
 ctatgaagag cctcttgtta tggatcttcc aagctctctc ttactgtctc tagatggcgt 180
 ctcagactga attcgaatgg atgagatcat ggaccagatt cat 223

<210> 8359
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8359

agcttcacac catagcaaca cataatctag gtatcaaaat ctctcaatgc aatggatttt 60
 caacgtttga gaaatgaaat tgagaatggg gttaatttgg agcatactct cacctcacac 120
 gagtctataa catcaattga aacttggtca aatcggattt acacctaana tgttccogaa 180
 ccaaaattng actectcaac cccaattat accctagaaa tggctcttta ttcactttgg 240
 gcatctgatt ttctctctag cacagcccaa actttctact aagtcctaaa tgaacatgca 300
 agctaggatt aactcactnt aacctccgaa taccacttaa tccagattta gccttaccac 360
 tctcagaacc tcaactctct ttcactcata acaccatatt ctgactttct a 411

<210> 8360
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 8360

ctcatcttgg tggatgaagct ccttcttcca tggcttattg cctattggat ggagcctcct 60
 ctcacctctt ctctatgtc ttctgctgca tctacatggt ggaaaaccac cattagagga 120
 cctcattgaa gctcacagat acagcctcca tagaagctcc acaagcaagc ttccatcatc 180
 ctcttaatca cccatcgtca tagatctgga tttggtgcca tagggatgcc ttggggcgcg 240
 tttagttatg gtatttctcc tataaaacca aacgtgagga gtacgtacaa ataatgaatg 300
 catgctagat ataaaatgtg ggagtgattt gattcgcact gacttttggg gtagaaacgc 360
 gggataaact cattttattc agacagtga tactactcac gatcagagtg acaatac 417

<210> 8361
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8361

agctntaact gaaacattaa gtaagttgcc aatttatctt tctgctattc aaccttcacc 60
 ttctttctgtt ttgcaggttg catgttgtgc tatttgtggt ggtgctcatg agtcaagctg 120
 ctgtattccc actgaggatc atgcacatga agttaactac atgggaaacc aacctagaca 180
 aaattttaat gcaagtggat tctcaggatt tcagcaaggc caaaattata actagtagta 240
 tggacagtgg agagctcatc ctggtaatca attcaacaaa gaccaggag ggccatctaa 300
 taggctgcaa caacaagggc ataatctcta cgagaggaca acaaagctgg aagagactct 360
 tgcttagttt atgtagggtt caatat 386

<210> 8362
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8362

tggacttacc ttgagataat tnccttgata gtctctttga gccttgtttc cctttccttg 60
 tgggtgaagct cactacaagc cttaagtga naaccatgat atcaccatat ccttaaggaa 120
 ttctggagct ttgcaattgt tttgggaata tgtgtggggg gtttttgttt cattggataa 180
 catgttttgc tggctatgct tcatgatga ttttgcgcca tacttgatgt acattgcata 240
 tcggttaaat gttggacatg ctgaatgaga tggtgtttct caaaagctac agagcagaag 300
 tcactaatcg ataaagacaa agagtagcta tacagttgag tgaataagat cttatatggc 360
 gaaagaatga tgagactctt ggatctactc tctatgtgta aatcttatct atagttctct 420
 tatttttatt tctcttaata tgcatatatc tccccattct catcta 466

<210> 8363
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 8363

agctntgagg gtgcgtagcc caccatcttt ccatttagtg tatcgataat gtgtctacca 60
tcacgatcat cgtctccctt tccatcattg ggggtaccac ttgggcccgc agatccctcc 120
accttttggg cgtgttcttt gaaagatccg tccccctttt tgcaaagtgt ttgtagttgc 180
atcctatcca gaaccatata aaaattgtac taatactgcc taacaaaggc aaccattagg 240
tccttccaag aatggactcg ggaagattcc aagttagtgt accagggtac agctacccca 300
gtaagacttt cttggaagga atgtatcagc aattcctcat cttttgcgta ttcccccatc 360
ttctgacaat acatcttttag attgggtctg ggacaagtag tccccttgta cttgtcaaag 420
tccagcacct tgaacttgga atgaccatgt ttgggtat 458

<210> 8364

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8364

gctttcttgg agaaacttnc ttgagaagct tctntgagag aactttcttg agaagctata 60
gcttagctac acacaccctt ctaatgacta agctcacctc cttgagaagc ttgcttgaca 120
agattcctaa agaagctaga gcttagctac acacacctct ctaatagcta agctcacctc 180
cttgagatga gaagctagaa cttagctaca ccncnccta taatagctaa gctctacccc 240
atggcaaaat acatgagaat aaaaaaaaaa aagtccttac tacaaagact actcagaatg 300
cctcgaaata caaggctaaa accctatact actagaatgg ccaaaatata aggcctaaac 360
aaagganaaa acctattcta atatttataa agataagcgg gctcatactt agcccatggg 420
ctcanaatct accctaaggc tcatgagaac cctanggtct tccctgggat ctctggccca 480
atctac 486

<210> 8365

<211> 343

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8365

cgcacccttc ttcaaacatt cggtcatagg acttgctata gtgctaaaat tctggataaa 60
 gcgtcgataa gatgatgcaa gaccaacgaa agatctcacc tccgaaactg ttgtaaggct 120
 cgggcaagtc ttgatagcat ccacttttgt ttgatcaacg gatactccat ctttagacac 180
 cacatatcca acaaacacca cactctctac caagaaatca cactcttccc tcttcccata 240
 gagtaattgt gctcttacgg tctcaaatat ctgtttaaat gagtgaaatg ctctctata 300
 gacttgctat acaccaatat gtcac 325

<210> 8369
 <211> 420
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8369

agctngacaa actntagcca aatagcagtt gttgttagtg ggcatttttt nttatccata 60
 ggaattaaac acaatactag gaggtttaca aactcacac accctgctca accaactaag 120
 ctggatccct tggtttagtag gcatctacac aagttgaata aaatgttttt tattctttat 180
 ttctaataaa gacttgaatg aaacacaaat gtgcagtatc ctgtacaata atatggtctg 240
 aattctgaac agcaattgtg aaacaatttt tatataagct tcctaagctt gttattgatt 300
 tctttgtgtt ttctcatgca gggagttcgt ccctgcgaca aaaggagaag catcagcgag 360
 tatcaatccc tatttctctgc aataggattt tcactggcaa gtacctaaaa tttatcatgc 420

<210> 8370
 <211> 302
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8370

gcagcttcag tacttgcaag aatgccacag gtnattatta tataaactaa cacacattag 60
 ttgcatgaat gtactaaaag taaacagaga catagtagaa tcgaacaggt tatttcatca 120
 gaattgattc cagtaaagca aagagatgtc tgaagtgacc aagtaaagggt tatcacttat 180
 caacctttga tttaaagtgg gttaagttca tgaggtgctc ttttcaaata cacagtatgg 240
 tatatttact tttccacttt acacatctcg cttttcagga tccaaatcct acatccatga 300

<210> 8371
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8371

agcttataat tataggatag aataattagt ntctaacttt gntctcatga atttcttgat 60
 ttcatgtgctt ctaactctga agggaagac attaatatac ctctagggtg atgtatatatt 120
 ctctgtgagt aattcattat ttgccatatt ataaatgaaa ttcttttttc tcatttttta 180
 ctcacttttc tattgcaggt gcagataaga ttattatcca ttatgggtggc gacactgctc 240
 aaagccaacc actaggaacc tatatatggt atacaagtta tgctcaaatt cattgtgttt 300
 tactctcatg gtgatactgc tctttcagga taatcactag actnttattc tgcaccag 358

<210> 8372
 <211> 292
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8372

gaccacacag tggtagctgg agatatgtcg cggnggtcac gagaccttgg ggacgtcaag 60
 tggggtgcta ttgccccaaa ccaagcttga ccaatccga cccaaccg gcatagtcgg 120
 tcagtgagaa cctgtgatgt acctagcag gcgagctcct ggacgtcaac agataanagg 180
 ataacaagac cacatagcaa ggaggcttgt ggtggctggc cacctgtgaa ctttgtataa 240
 tatgtggatt gtggcctctg gtaatcgatt actaanggtg ggtaatcgat ta 292

<210> 8373
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 8373

agcttattac aatattataa ggaatataat aaatttggtg atattcaatt atgattattt 60
 acatcttaaa gaaaatctta taatattaaa acatatatga acgtcaatgg gctctcttgt 120

tgaatggatt tcacaaaaat atttggtaaa aaatacacat tagacaatct cacataaatc 180
 ttgagatttc atatactttg ttttctttta ttggcaatcg acatgtttcc ttatcttact 240
 catacataat ttcatgtcta tatgttgaaa gttggagata tttataaggt atttttactc 300
 tattatccca tcaacaacat gtccataat gtgttatttg agagatctcc caacttttaa 360
 aataca 366

<210> 8374
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8374

taccatggat ggttaaacat tagttagtgg tttgcttctg tcctttangt ggtcaagtgt 60
 gtttgcttgt gttgagtggc taagccttgt gttatggctt ctgcttaatg gttaaacata 120
 ttccaattgt ctttgaatgt tttcagtcac tgtctatctt ttgctgatgt atatacggca 180
 tgtttcattg tattgcgctc tcattatgta cttgtattgt tcatcccacg ctggaagtgt 240
 tgagtcaccc ttctagcttg tggagggggt gttagagata agtcccagat gcattgggtg 300
 tcctagtcac tgactcactt gctgttcttc gggttcgatc tggccaagaa ccatcttctg 360
 ggtcaagata ttgtattgta aatgct 386

<210> 8375
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8375

agcttgccgc tagagctgac ccatctactg ccctaactct tttagactgg tgatccctag 60
 gctcttgacc ttgacttgat agaacctctt ttttaagcgaa ggcgtttgac ttgatcccat 120
 gttttactaa agtgaacaaa aatctagtgc gaatcaaaac tccgacatct atcatgggtg 180
 gaatggatta atgcatgaag aaatgcatat gatacagatg caatttatga atacgggagc 240
 ccgggaaatt gtctccttct tagatacaac gtcttgggggt agcacagtgc ccgacgtatg 300
 tatttaaggt gacatggacc cttcgttgggt ttgccaaaga gaggggatca agacagaacc 360

cgtgaacgat gcatatgtga aaggcacaat acgtggatgt acatagtacg gaaatattca 420
 caagccaata taagaanaag ggtacatgac acttatgcat 460

<210> 8376
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8376

cctcatcgtc cctcacagtc tttagatttg ggagccaatc caatccttgt gttcggactc 60
 tcagccactt atgatagccg cogatgatcc cattactgct tcccctaagc tctctgtcct 120
 ttcttcaogc cgcattccat gccttgcgaa ctcccttgag taccctcgcg ttgtggtcac 180
 tgaaaccccg tgcgatgaaa ggcgtgatgc ttctgtctaa tggcgctct ctcatgcggt 240
 agccaagctg tcttatggcg agaacgggat tataattaat acaaccctt gttcccatca 300
 agggaaacat tggacatnct tcgcatgaag atagaatctn tgattcttct ttcttctagc 360
 gagggagacc aataacagaa cgccccccca tgc 393

<210> 8377
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 8377

agcttgaaca gttaccaatc tccaaatgaa tcttccctga caacatgtta tcatagagaa 60
 acattatctt caatttacca agcctcccaa cctctctggg gagatcacc cgttaaattgt 120
 tgcgaaacaa tgcaagtgtc tgcattgttag tgaggatccc tatgaaagga gagattgaac 180
 caaccaaagt gttggtttga agcaatagat cagttagccc caacaaccca taaacctcaa 240
 taggtattga cccattgaga aaattgtttg acaaatcaag ttgcttgagt gagtggcacc 300
 gacccaactc agctgggtatc tcaccatgaa ttccactacc tgacatcatt aaattctaca 360
 cacttgtaac attggaacat atgggttcttg g 391

<210> 8378
 <211> 349
 <212> DNA

<213> Glycine max

<400> 8378

ctccatgtca acgctcatca ttgtgatgtc tgtgatgata ttagtggtgg tgagtcgcaa 60
caagatgata tgtagagta tcaactgaag ttctgcacat atcctctgat ggcaatcaga 120
acaaggagaa gtgaaacaga cggtagagag aataagttgt cactaacatt ctagttcaaa 180
acattgtgtg ttgatgtgga atgtcccata cacatgtgag atttgacatg ttagcaatga 240
cgtgctacgt atgcactcca cattaacaga catagaaatc actcgatgat atgactaaat 300
agtcatacata tctacacaat tgatattttt atactagcag agaaaattg 349

<210> 8379

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8379

agcttattaa tatatgattt aaaacaatga ttattgaaga gtctatacat gtttccttta 60
atgagtctaa tgccattctt ccaaggaagg atttntaga tgatatctta gattccttag 120
aagatacaca tattcatgga aatgactcta ctgaaaaaga tggaggaagc aatgaagatt 180
cttacgataa tggagttaga gcaaataatg aacttccaag acaatggata gccttcagag 240
atcatccctt tgaccacatt attggcgata tatcaaatgg ggtaacaact agacattctc 300
ttaagattt atgcaatatt atggcttttg tatctatg 338

<210> 8380

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8380

cttcataaga atggatcctt ctcttagttt gtcttagaag ctatcaggaa acactccaag 60
cagacatgtg aagagatctt gaagaaagct gtgattgggt accaatccat acttcttta 120
tgacagcttc cattctagaa tagtttcaac acgttttagaa attcccgatc tctgcaagtt 180
aataatagaa ctatatatga atacattgtt ctttacttct acactacaag tatcaatatg 240

aaagatatat gtgataatct ggtatatttg ggataaatc tacttataag aggagaaaat 300
gatactaang gtaaaactta catacagtac catgggatgg taccataagt ac 352

<210> 8381
<211> 511
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8381

agttggccgt gtagccggat ccttaagcac ctgcggctgc agcttgacag tttgngaaga 60
ggttntgatt gatcaaaaag aagaatctac ttcaaccgat atgcccttag gcacggcaat 120
acataacata gaaatcacac tcggaaaggg tggacaatta gctagagcag caggtgctgt 180
agcgaaacta attgcaaaag aggggaaatc ggccacatta aaattacctt ctggggaggt 240
ccgtttgata tccaaaaact gctcggcaac agtcggacaa gtgggaaatg ttggagtaaa 300
ccagaaaaat ttaggtagag ccggatctaa atgttggtta ggtaagcgtc ctgtagtaag 360
aggagtagtt atgaaccccg tagaccatcc gcatgnggtt ggtgaaggga gggccccaat 420
tggtagaaaa aaccgcgaac tccttgtggt ttcttgactc ggaagaagag caaaaatgga 480
agaaattact gatattcgat tcttcgcgtc g 511

<210> 8382
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8382

cttctcatca atggactcct gacgtatacg aatgagtgcg gttcggtcga taaattccta 60
tctctntatc tatttctgag atgtttggat ttttcaaaac tccatggaca tgcagaagag 120
aaatgctatt cccactcgga ccaagacata actttacttg ttcaaataac aattaagggtg 180
aagcagagtc aggaacaacg aatcccttta tgataaacag attcattttg caagttcgtt 240
attacgggta gttcctacaa aggatcggac taatgacgta tacaatactt gaattctcga 300
tgtagatgct acatagttgg ttctcatcct tcacagacta cgagtataat angagcatcc 360
gtcaacanaa ggatcacccct aagatgatca tctcg 395

<210> 8383
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8383

agcttgTTTT gtgtataaaa aatgatgcat atgttaccaa taatgtgaga aataataact 60
 ctaatttagg gggaaaaagg ataaattgaa aacaatgaat gatatatgcc taaaaaatga 120
 aacttattag acatatgaag aaatataaaa atcaaaattg atttattaat ataatatcca 180
 gctcaatatt taaccagtta atttatatta tgaagttatt ttttaattaa ttgactgcgt 240
 gacatttggt ataaatctga attagaatat acattattgt tatcatttaa taagttgaat 300
 ctagatatat actcgtggta gtaatttgaa tgcttaaata ataaaaatta tacttattat 360
 aacgacctta cttatgtatn ttttaataaa tagagaaata atacaaatta ttctacttca 420
 atgaaatata cgatatataa tattttatat gaaat 455

<210> 8384
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8384

ctaagcttag tcctgttgat ctgangttga aggtaggacc ccataacttg gggatccac 60
 aactctggca tgcgtgcttc ttcttgaaat ttatatgctc gcaaacacca cacatccaat 120
 ctctccaga ccagctcatt ttctgatca atatccacac ttgaattttt gaattataag 180
 aatttttgggt tccatcaatt ctcggtgcaa ccagataagg actatatgtg catgtagcct 240
 acttacacag taatgagaaa tattattagt ccttgtttta tgcattatga gttatgactt 300
 atgaccctaa cttctattaa aggcattgcaa ttttctatcc atatataggt tatntgcaca 360
 aagaactact gtcttgggtg atagaatact ctgtcaagat ggcatagcaa tcttgtcaag 420
 ttttctactc tactcaatat taatctattc at 452

<210> 8385
 <211> 417
 <212> DNA

<213> Glycine max

<400> 8385

ggatcttaag cgactgggct gcagcttata attgctagat tgggagggat tttattatac 60
aaatttgttt tcaatatcaa aagaattccc attgtgattg acagggttgca ggctattaga 120
ttagattaga caaacttctt ttcaatatca aaataaattt agaaacagag taacacagga 180
actttgtttt cttgtctcat attttttctt aattacaagt ctaacagtag tctaatagtt 240
gcatattagt atcctaactt accttttttt tttcttaacc atctcattca tcagggaaaa 300
agaatcctaa ctaatccaca taatttatgc agtgtataca gtcacttata catcctaacc 360
aatgacaga agataacaat tcaatttaga catcctaacc aatgaaagc aaaatac 417

<210> 8386

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8386

atgtcagttt actgcaactg acaatggctg cgccgaacct ttttcaacct gccactcgct 60
aaatactctg gtcttatgct ctctgcacat tgatgcanaa gtactcttca tatctaattc 120
taacctttcc attctgaacc tgaaagacct gaagatcttg gacaccattc aacaaaaaat 180
tgtgttttct actocaaatc ttagttctct cacaatcacc aattatttat gtttcagtca 240
tcaaccattc tcttcacat gcaatctttc gtgtcttgaa gaaggaacta ttcacaccac 300
tacttatata tcttactcgg tctgtatagg ctggctgcaa ctcttcgcta atgtaaagat 360
attgaaactt tcttaacgata ccctgagaat actgaaagta agttttcttt agttaggttt 420
ctactctcct tttctttntg atataatcct cat 453

<210> 8387

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8387

actaaatctt gtcttttctc gcttgaagct ctccaattgt ctgtagaaga cagctcaaag 60

gactcggcaa gccagtctga cgtgagtaag ctgttggcag atcagtcctt tgtatcttct 120
 atccttgcat cgggtatgtct ataaatccag taaatgttcc gtgttcttta aatgtattga 180
 tagaatgatt gacaatatgt tctgcactga ataataattc gtgcttctgc agcttctcgg 240
 gggtgaccca aatgatccat ctgtcaaaga attgctggct tccttgcaaa atcagtctga 300
 ggtaggtttt cttttatgga gaataatcat tgagtctgaa gagaatctct tagaatattt 360
 cacagggggc atanttaa atagcttacct agatagcctt gactcctttc atctctccct 420
 ctt 423

<210> 8388
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8388

atgataaatc tttatatata aaanagtaga catgacggta ttattgtaat ttaaattcttg 60
 ccgctcattt tgagggtaca tgcaattaat tctatcactt cttttgtttc cataatcaga 120
 tttttaaaac gtaatttata actaatntg attacgatta tttcttcttc ttttaaaata 180
 taagaatggt taaatactta attgcccatt ctaaattctc ataaattatt tcttattttc 240
 cgttntatat tctatgtagt gtgtaaggat ttttaacaaat tagtggtgta gtgatcaagg 300
 ttctctatta atatgagttc ttataagtca cattgtcatt tagtttgttt cttttcaact 360
 gattgtaatt atcgtatgta aaaatcacga tgttggaat ggatgatggt tgggccgcag 420
 ctattgttgt tcaaaaanaa aatatnngcg ggacacatgg tncactagtg agaactatgc 480
 atatcttata tac 493

<210> 8389
 <211> 468
 <212> DNA
 <213> Glycine max
 <400> 8389

agcttaatga ttatgtaatt ctctttatac tgtttctctg gaagaaatta tgcttagaga 60
 taaagatatt agaattgttt cactatttta cttttatagt aaatgtaatc ttattctatt 120
 gtttgagtaa tacactttta agtgaaacaa aatctgtgta aaactgacgg atttgggctg 180

ttttctaagg agaaggtatg cattccataa taattataag tgggtacaaga ataatgtttc 240
 ttccatttta tctatgcaag taattcttgt ttattgttta tcttcagctc tttactaata 300
 ctagtatatg ctgggttaatt tcaaggtata tagttagaaa gagcataaag agtgcagaag 360
 acatagttcg tttccctttc caacagaatg ccaccatact ttactttatcg cacactgtgt 420
 acagaggcag agagaatctt ccattactta ctgggcacta tgtaagtt 468

<210> 8390
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8390

ctaatgtgtg ttcccgatg atgcacaagt tgataaaata atattnttca ttttctaaaa 60
 attaatttaa gattaaatat atctttaaca gatagtacag ttaattatat tatgagaaaa 120
 aagtcacgca ttgacatata taaatgtgta ttatactctt actttttttt aacataccac 180
 tcttttcttt atataccact ctgagctgat tatgtaaaaag agttaagctc aagtttttct 240
 ttttaatttca tatattacat gttaagctca ttcttttaat tatcttatat aaaaacattg 300
 attaaatatt at 312

<210> 8391
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8391

agcttgcatt nggaattgcg aaagcctcac tctatcatta tgattagtag ctgacatctc 60
 aaacaaacaa atcaaacgta acaagacaat tatagttggt gtttgaatac ctcacccact 120
 caagtgtatc acacaattat ggcttttctc taatgaaaca ctcttgccct ttaccactct 180
 aattccccct gagttcttag gcaattcaag agattatggc cacaacaaag aacaattcac 240
 caatatgtgt aaggtaaggc tagagagaca aggaaaagg taaccaagaa aaggctaaca 300
 atggtttttag gcacaaatga aggaaataaa attcagaatt tatgaattca agtaacaatc 360
 cttcatgcaa ccaatatatt accttanaga gatttttntt aaagttctta agcatgaacc 420

attcacccaa tttttntttt ttt

443

<210> 8392

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8392

cattccaccc aaacgcaccc ttcttcaaac attcgggtcat aggacttgct atagagctaa 60

aattctggat aaagcgtcga taaaatgatg caagaccaag gagagatctc acctncgaaa 120

ctgttgatg gctcggccaa gtcttgatag catccacttt tgtttgatca acggatactc 180

catctttaga caccacatat ccaagagaca ccaccctttc aaccaagaga tcacactttt 240

ccctcattcc atagagtnt tgtgctctta ggggctcaaa tatttggtca catgagttaa 300

atgctcctct atagatttgc tatacaccaa tatgtcatca agagtaacaa caacacactt 360

ac 362

<210> 8393

<211> 361

<212> DNA

<213> Glycine max

<400> 8393

agcttgtaga atggctagac atgatacatg tcttggtttg gtttggtca aggataaaag 60

ggatgccccca cattatttcc atgacacata tgcaaaaatg atgatttgga aactttatgc 120

aaaactgggc atgcatgcac ctatgtggac actcaagtgt caaattttta tggatcatgtg 180

atgctagggc tcaggattca tttcctctat tatagtcaac ccaacgtttc caaaatatgt 240

tcttttatca atttgccgat tcatccgagt ccatattgag cgtctgggaa aatctttaca 300

gcattcacc ttcacgtgta tacacatttt ttcaaaaact aactatgatc agtgatattt 360

t 361

<210> 8394

<211> 306

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 8394

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agctgaccca tcaactgccc tatactcttt agactggtga tccctangct ctcgaccttg   60
acttgataga acctctttct aagcgaaggc gtttgacttg atcccatggt ttactaaagt  120
gaaacagaat ctagtgcgaa tcataactcc gacatctatc atgggtggaa tggattaatg  180
catgaagaaa tgcatatgat acccatgcc a tttatgaata ccggagcccg ggaaattgtc  240
tccttcttag atacaacgtc ttgnggtagc acagtgcccg acgtatgtat ttcaagtgac  300
atggac                                          306
```

<210> 8395
 <211> 147
 <212> DNA
 <213> Glycine max

```
<400> 8395
agcttgcttc tacagcttgg agattgtatg tatgtactgc ttgttgccga accagtataa   60
aatactggcg tctgtcttct tctctcccta cacatcttta tctttccgct agcgactgt  120
ttagattatc tgcttttaca ttttgggt                                          147
```

<210> 8396
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8396

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gaagtgcctt atgaatcctc ccgtacttat gccaccagta cctggaaggc ctctcatatt   60
gtacatgaca atcttatacg agtcaatggg gtgtatgctg tggcaacatg atgaatccgg  120
agagaaagag cgcgctgttt actacctaag taagaagttc acgacctgtg aatgaatta  180
ctccctgctc gaaagaacgt gttatgctct antatgggca tcccatctcc tacggcagta  240
catgctgagc catactacct ggttgatata caagatggac ccggttaagt acatctttga  300
taagccagct ctcaactggaa gaatcgcccc gtggcaagtg ctgctattcg agtgtgatat  360
agtctacgtc acc                                          373
```

<210> 8397

<211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8397

agcttggttac tatgataaga gcatacctgt tgtttcctga agtccaagta caagactttt 60
 tgtcaataat atcaccaaaa actatcacat taacaaaatc acagcctcta agatttcgac 120
 aaattattag gtagccttga agcattatgt ttttatgatt ctaatctacc attctcttta 180
 tatataatac ataactatat tttttaattt gtaatttatt tataatattc aattatgtta 240
 tgtaaaaaaa tagttaaatt aattaacatt ataatgattt tagactatct aataatttct 300
 agtaagattt taatgtataa caaacctgga agcacagaag gctaccacat aatccgtccc 360
 agaacaagtg aaaatactag ttggatcatc ataagca 397

<210> 8398
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8398

atctcataat aatggaatct ttacaaataa tggtagacgt actagttatc tttttttaaa 60
 atttaaaata ttnttttata aaaaaaacg tattntaaca aatattgggt ttggtgttat 120
 ttttaacaaat atagttggac atacatgatt ataaaaaatg gttatataaa aatttctatc 180
 tataacttca tttgtacggg tngntaaagt gggctgaccc acccgcctta aagtctgccc 240
 gcattggcag cggactgtgt ctgtccgtcc cgcattctta cactgatcaa ataaatagat 300
 ctgtcccttg ctctggaacn ccgcgggtca catgagcatg tntgcangca taacttttaa 360
 agaanttcaa tcttaatana aatacaacat aa 392

<210> 8399
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8399

agcttgaagt gagaaagtgt ggaagagtca gttttcctac ttgtattcgt tgaccacaga 60

gtggtacctc aagatatgtc gcgggggtca ggagaccttg nggatatcag gtgggggtgct 120
attgcctaaa accaagcttg accaatcccg acccaacccg ggcatagtta gtcagtgaga 180
acctgtgacg tacctcaaca ggcgagctcc tggcagtcaa ccgataaaaag aacaaagacc 240
acaaagcaag gaggcttgtg tgggtggctgg ccagctatgg atcttgagtg atatttgga 300
gatagcctct ggtaatcgat taaaaaggat gtgtaatcga ttacaaggct taacaatgga 360
gacaggaagt taagatggcc tctggtaatc gatt 394

<210> 8400
<211> 364
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8400

tgaagggtgtg tagtccacca tcttttcata gtagaatact ggtaatgtgt ctactatcat 60
tatcatttnt tctccgtcat tgagggtgcca cttgagctgc caggtctctc cacctttggg 120
cgtattcttt gaaagatctg tgcccccttt tgcacatggt ctggtgttgt atcctatccc 180
aagccattat accgacacta cctagcgaag gcaacaatta ngtccttcca ggaatagact 240
cggaaggtt ccaagttagt gtaccaggta acaactaccc cagtaagact ttcttggaag 300
gaatgtataa aaaattctc atcttttgcg tatgccccca tctttngaca atacatcttt 360
agat 364

<210> 8401
<211> 369
<212> DNA
<213> Glycine max
<400> 8401

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aggaaggtag catccttgag aagctacagg ggggctaact acacctctcc attagcaaag 120
ctcgccccca tgccaaaata catgaaaata caatggtaag cttccttgag aacaaggaag 180
gtagctttct ttggaagcaa ggaagaaagc ttccttgaga agctagaggg gggctactca 240
cacccttca atagctaaga ctaccccat gccggtatac atgaaaatac agacaatgtc 300

tttactacaa agattactat gatgccctga atacaaggcc ttaaccctat tctactatgg 360
tacccttaa 369

<210> 8402
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8402

tcatcaagac aaacatctaa tcattccaat ccaactcaatt catacacttg ctcaatcaat 60
tcatttctcaa aacttcattt catacaaaac aatccactgc ataacatttt caatcagctc 120
actgttcaaa caagctttct gtacaagcaa tcaaacaact aactacaac tgacatttaa 180
ataactgaaa tctaaagaac taaaacataa agactgaaat ttanatgact gaacataaat 240
cataaaataa ctgagataaa ctaaatecgtt caaattgcac aaaattacat gtcctgctcc 300
tgtgattgct cccgtgcatg ctcatgaga tccaacacct gagcagctgg tgaatcctga 360
ggaataagct gctctagctc aaatagctgt gcanatggca tggaatcacc acagtatggt 420
actgg 425

<210> 8403
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8403

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atgatttcct agtcttgga attagtggta taattntcaa ggggatacct gtgactcgat 120
tggtgaaata ggtctctct tcaaaaaagc atgtttttt taccattgca aaaagaaaag 180
atattgttgc gaatgaacaa gatatcgaga aattgtccat acgtaaaatc ataattattg 240
atacaggcct tttccacgta aaaagagaat cttttgttac aatagaagca gaagtgatat 300
tgattattca agaatcgaag tcaatttgct ttatacattt acataatata tggcataata 360
gagcctgcga ttctttgatt tgatgtctag tcaaatntca aggtggaagt tatagttctg 420
aatttatcca tgttangatg ggaaaatgtg aaaaaaagtt ggatatg 467

<210> 8404
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8404

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 gctcaatata ctggtattca agtatactcc cggttcctgct gggagttaag gtgaagttat 120
 tacactaaat aactcatgga tgacatttat aggtttacct gaatggatag atatacaatg 180
 atttaccac caaattggat taagatntaa aaatatatta tgttgctatt cttttcattg 240
 acttgtaact ataaattgca tgagattctt tcagatctta caacatcatt aaaatgtaaa 300
 caataaaatc atgattataa ttncttatga ataagaatct tataaatcat tatattctgt 360
 ataactaatt agaaattaca tacattttct atgccagaat agtttttagaa atctcaatca 420
 ataccttctt aattcaacg 439

<210> 8405
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8405

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 gaacattcta catcggttct aaaaccgatg ttgaaagtga cgatggtgaa tgtatgaatt 120
 ttaacatcgg ttttgagaaa ccaatgttaa catacatatg acaacatcgg ttctccaaat 180
 acccgatgtt aaacacaatg aacaacagca aaaaaagtgc aggcgatgat aacggtgaca 240
 tcggttnttc agtaaaaccg atgttaatat gttagttaa catc 284

<210> 8406
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8406

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aacgaatgct tgaagttact ttattaggct gtttctttnt ttttttttac cgatgggggtg 120
 caattttttt cactattttt caaatgggag tagtgtttga attatttttc aaaagaggggt 180
 gagttataac agtgttgcga ctttagagtt ttcaagtgtg acacctgtta tgactttaat 240
 tttttttaac taaaatagaa aataattcta caatttttagt gtaatttttt ttgacttcaa 300
 agatataagt ttcttttttc ttttccacta ctctgacagt gtaatatata tatatatgat 360
 t 361

<210> 8407
 <211> 343
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8407

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 tgggtacctgg agatatgtcg cgggggtcaa gagaccttgg ggacgtcagg tagggtgcta 120
 ttgcccaaaa ccaagcttga ccaatccga cccaacccgg gcatagtcag tcagtgagaa 180
 cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aacaaggacc 240
 acaaagcaag gaggcttgtg tgggtggctgg ccagctgtga atcttgtgtg atatatgggt 300
 tatggcctct ggtaatcgat taccaagggt gggtaatcga tta 343

<210> 8408
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8408

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 tgaccaaadc ttcaatgccg taaccatgaa tcatcaattg taactctcat ggcaatgccg 120
 gtattagtag tataacttaa gcttattgga aaaaacttat atttcctttc tccattttaa 180
 cnttggcaat ctcttgccct ttgggtatct ttatcataga taatgcacgt atcttcttca 240
 aggtgaagat aatagccttt ctccatcatt tagccaatgc tcaagagatt atctttatga 300
 tttggaacta gtaagacatc tttttatgat ctcttacctt tctttgtctn caccatgaca 360

gtgcactttt cttttgactc taccatgggtg gtcattttcca attgaactnt gactctgaca 420
gtggtcgcaa tttcct 436

<210> 8409
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8409

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tcacattgtg tttagtgcac ttnttctcgt ttagtttact ttttataccc cctggtgacg 120
tgcttaagcc attttactta agtcgtttct cgcttaactt aaaaataaaa taaatatcca 180
ccgaacgttt gaattgtatt atccattaac tttggttaan atcaattccg accgttcggt 240
cgtgccgtaa ccacgttgga aatcaaaaag aggtaaaaaa taatataata atcaaaaaga 300
catcttttat tgaaataaag cggaaaatca attggacatt ttctctttgg gatttctcat 360
tcttaatcga attgattaat aactaaagt aaactaaagg ctaaaatcaa tccacctagt 420
caagctcgtc cacaaaaata agcttttgaa gttcgtcatt tcattttc 468

<210> 8410
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8410

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tatgaaaatt gtttgctgga agaaaatcca agccgaggcg cttccgtagc gctttcgtga 120
gtgattctgc gaaggttntc gaccggtctt cgacggtctt cattcgttct tcatcggtct 180
ttcatcttca tctgggtatg acctgagacc aagcttggtca attcattcta tatacccggt 240
gtgggtccaca tgtgggttcca tgtatgttta ttctcgtttc atttactctt tata 294

<210> 8411
<211> 351
<212> DNA
<213> Glycine max

<400> 8411

ccaacttagt tgattgagac cgattgggat acatgatgag gttgtctttt gcgggtatag 60
ctatgatgaa ttttccttcg agtctttgac atgggtgggct cacacgagag attccgttgt 120
gtgcacgata tgaaggaatc ttgatcataa cattttgaga tgaagatttc ccactttgcc 180
aggtatataa atacggcaac gcttaaaact gctacagcac gttatattat gtgttaattt 240
atatgtgatg caaccgaaaa caccaatgaa tgatcaatct atcatcgtca atccatagat 300
aagtaggagg gtgatactct aataatgtcg gttactttat tgtattatca c 351

<210> 8412

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8412

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agcctccaaa acggtgatga aatgaaataa ctcacaaaag ataattctca tattcatccc 120
tctttctgtg aatcattaca tctatttata ctgattctta taacagaatt gctattctat 180
ggaatattca cgattcaagt cttgtacaat tatctccac ntctagtaat tgctctaaca 240
gaatgcatat atgcctttaa taccatcccg cccctttcag atgtaatctc tgaggtagct 300
tggctctctt acccttctct tgggcctctg ctctttgttt tctgaaattg cttggtgcac 360
cttatcctgc tggtgttaa tctgcattgc tagttgcacc tcattctgtt gattgtctcc 420
ctctgctatg 430

<210> 8413

<211> 364

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8413

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tggtacctgg agatatgtcg cgggggtcag gagacctgtt ggatgtcagg tggggtgcta 120
tttcccaaaa ccaagcttga ccaatccga cccagcccg gcatagtcgg tcagtgagaa 180

cctgngatgt acctaaacag gcgagttcct ggcagtcaac agataaaaagg aacaaagacc 240
 acaaagcaag gaggcttgtg gtggctggcc agctgtgaaa tttgtgtgat atatgggttg 300
 tggcctctgg taatcgatta ccaaggggtg gtaatcgatt acaaggctta aaaatgaaga 360
 cagg 364

<210> 8414
 <211> 360
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8414

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 ccgcctgagt gggcttatag cctaaacat acttcccacg attttctttg gcatttatca 120
 ggctagtat gtcgcggtt tctttgccta aaccatttcc ggggttcgtaa ccgttcccca 180
 acataactcg ggccatcatt accgctgcat cggacaggca aggctgcca gagaaggagt 240
 ccatagagga aatgcttacc acctcacaag actggaaagc aggttctaac gattcctctg 300
 cggcttccac ataaggcata gaggatgggc agctcaccaa gatgtcttcc tcgcctgaca 360

<210> 8415
 <211> 420
 <212> DNA
 <213> Glycine max
 <400> 8415

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 tcaaggaagt tttcgcaaag aagcttctca aggaagtttt ctcatgaaag cttctcaagg 120
 aagttatcta gtctataaat agaagcatgt gtaacacttg ttgtaacttt tgatgaatga 180
 aagtcttatg agatacaatt caaagttcga cttctctcct tcttttcttc cttcaatttc 240
 gggtccccc cttctctctt tcttttcttc cattaaagca tcctcttcaa gcttcttatc 300
 caaggcaatt cttggtggcg aagatccttc ttccttggtc tattccctag aggatggagc 360
 ctgcctctca ctgttctcct ttgccttccg ctgcatctcc atgggtgtaa atcaccattg 420

<210> 8416

<211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8416

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ctccccaatt ntctatanat agggggagaa gtgaagtgaa taaggggttca gcccttagg 60
cacttctctc tctttcgaat gtgcttgga aaattgtttc cgtgaagaat atccaagccg 120
aggcacttcc gaaacgtttc cgtgaggaat ttgcggaagg ttttcgaccg ttcttcgacg 180
ttcttcattc gttcttcac gntcttcagt cttcaacggg taagtacctc acaccaagct 240
tttcgattca ttctatgtac ccgtggtggt ccacacttgg tttcgtgtat tattattctc 300
gtttcattta ctttctatac ccncttnga cgtgcttaag ccattttatt taagtcattt 360
ctcgcttaac ctaaaaataa aataaatttc cac 393
```

<210> 8417
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 8417

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atccttacgc gatgtgcaca cctttcattg cgatctctaa acaactctggc acgtcccct 60
tctacatgcy ttactcatat aaaagaagaa taaaactatt gaotgccgta cagaagcaat 120
gtcctctctc atatcaaata tgatgcata ccatcacaca tttgaggcgg gctttaacct 180
agtcggacat ctatttcaag catacaaaaa tatttgctct cgcttacatc atgtatacta 240
aaaatatgaa tatatacata catattacat gtttgtaatt atacacttaa gatagtctat 300
acattcattt atgatcttat 320
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<210> 8418
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 8418

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aattcatttt tatcgttttt gtaaaatact tggatgaata atacaattaa tattacgcta 60
cattgaaatg tgactttatg tataatgcat actctcactt atcactacaa ccaatatatt 120
atacataaat atgtactata atacactaca cctttatgat tctatgctat gcaattacta 180
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ataatttata cataatttga tataatatac aatatcaacc attatctttt acaataaaat 240
attactatac aaatctatat aaacatatga taactatcct atgattttat tttttaatcc 300
taaacttatt catttaacat aaactataat actattgacg ta 342

<210> 8419
<211> 326
<212> DNA
<213> Glycine max

<400> 8419

agcttgtaag tatttggttt ataatttgcc tgttccatta agcttttaat gtctctagag 60
gttacttcct cgttgacatc ttttgtcttg aatggaattg ccatgacagg tttgctgtta 120
ctgtctttga tatttggttag ttgatattgt gttgtgggag gtaattccga ctggattaac 180
tcaccatcct tcacttgcca atttgttatg acatttgttg ttggattacc tatgatgtct 240
tgtttccaaa ggtagtctat atcctttctg atggcataag catgaaacca atcagagaaa 300
aggacattaa ttttgactct atcgac 326

<210> 8420
<211> 393
<212> DNA
<213> Glycine max

<400> 8420

gcttggagaa ccaagcctat cagaatgtct ttcgaaatat agatgggaat agaggtaaca 60
atggcggttaa tgacggaccg aggcagaacc gggttgaggg agtaaagctc aatgttcctc 120
ccttcaaagg tagaagtgat ccagatgcct acctgcaatg actacactga tgcgcagaaa 180
gtcaagctag cagcagctga attctccgac tatgcccttg tttggtggca taaataccaa 240
agagaaatgt tgagagagga acagtgagag gtacatacat ggactgagat gaaagggtag 300
tagaaaaagg ttgtgccact actatacaga acctgcgaag aaactcaagg gctgtccaag 360
gaattaaccg tggagaatat tataaagatg aat 393

<210> 8421
<211> 166
<212> DNA
<213> Glycine max

<400> 8421

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attgcatcgc tcagcccata ctacgaccag cctctgagat gcttcacggt cggagatgtc 120
ctattattac ccaccattga agaattctgag gacattctat gatgtc 166

<210> 8422

<211> 531

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8422

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ccctattttt tctattaata ngggggagaa tgtgtttaag aanaggggtc aaccccttat 120
gcacttctct ctctctcgaa tttggtgaag aaaattattt ccgtgaagaa aatcccagcc 180
gaggcgcttt cgtaacgttt ccgtgagaaa ttacgcccag attctcgacc ggtcttcaag 240
attcatcggg cgggtcttcg tttcttcagt cttcaacggg taagtacctc aaaccaagct 300
tttcaattca ttatatgtac ccgtgggtgt gcacattttg gttcatgtat tnnttattct 360
cgtntcattt gctttntata ccncttttg acatgcttaa gccatttatt tangtcattt 420
ctcgcttana tctannaata naataaacct tcaccgatcg tttgaatgta tcgtcaatca 480
ttttgttaaa tgaatctgac cgtcgtagtg cgtaccacgt ggaatcaaaa a 531

<210> 8423

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8423

tactaagctc tgtaatttat gattganacc tgcagtagtc ccatattgat ttatatgaat 60
gaactcttaa acccgaaagc catatataac tggactcaaa cactgggtgta cacatacggg 120
ttgatatata ggaagcttca catccagaaa gaatgtaatt tctgttgcaa gacggacaaa 180
acgaaatcaa acttcaatga tatattaaaa aatagtcaat gaaatacata attaacatta 240
tatatactga tagaaaaatc gatagaacac tcaattcttg ccacgattta ttaaataaag 300

ggaaataatg tctggtacga aggttaatgc tcgaatatta tacacgaagt atccttggcg 360
 ggtntccggtt aattccttaa ttntattcat ttcttgagct atatgattat ccaatcaaaa 420
 caagacanat acgattcg 438

<210> 8424
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8424

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 tagtatcccc accacctaaa gatatatcat cattgggttg ttcactttcc acagatctaa 120
 tggatatctgc tctagtttca tcagctgaga gaacattcta gagccatcaa ccagaaaccc 180
 aaaagggaga agggaaagga aatgaaaaga aaagttagaa ttagacaatg cagctagaaa 240
 atagaaatac caacaaacat ggacctatgg acatg 275

<210> 8425
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8425

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 tttctggaga acatcctgga aggcccaagt gggcctgggtt actatttgca ccccccttgt 120
 ttactaaata caccacttg cctttntttg ctaattcttt ttccgtaacg ttatgaaact 180
 ttacgaattt cgtaacggta cttgttttcc ttccataatg ttacggaacc ttacagatta 240
 tgtaatcatc ccttttttgc ctttcggaat gttacggaac tttacggatt gcgcactaac 300
 actctctttt aatttccagc atgtcacgga acttcacgga ttgtgctaca atgctttctt 360
 ttgacttccg gcatgtcttg gaacttcacg aattgcctaa cgatgggtgc caagtacctc 420
 gaagtgggtca aacgagggtc gcatcccaac aatgggatag tcccggacga aaatanggta 480
 tgacaatgat tatatga 497

<210> 8426
 <211> 270
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8426

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 actcaatatg aacagattct tcacgtgaat gtgtaatgtc attactaata ttttcatcac 120
 aatgaggggt tctatgaatt ntacgttntt caccgaaatt tggctctata tccatttcga 180
 tagccatttt ttatgtggat tctaaagtcc atgcaaacc cgtttcccta ttgtgtttta 240
 aataagtgat aagacctttt aaatgatcta 270

<210> 8427
 <211> 481
 <212> DNA
 <213> Glycine max

<400> 8427

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 caagagacag aactcgggtga caagttactg acacatagaa ataggtaaatt tgtatcagca 120
 cattactgta gaagaaagcg aattctgata taaaaaaaaa tggtaattca gacaaaaaatt 180
 ttcacacata ctccggacat gacgagaagc aattgaatca gcaagccaac aaaattttctc 240
 tatctcatta cataagagat atctgagaaa ttatgtacgt acacccaatt ctcttaatta 300
 taagggtctga ctatgaatca tttaatatcc tgtattaaat acttttaatt atttaaaaaa 360
 accaaaacta aataaactga gctctttata taataaaaac actctctatg ttatctaaga 420
 taaattgatt agtttgctta accataaact tagcatactt gccttaattc tgatatgcat 480
 g 481

<210> 8428
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8428

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ggttactcac cttgatgact tgaattatng cataatattc tgggtgggtt cctgggttttg 120
 gctgattctc ttattgggtg gtaatcaaata taagaaataa aatgattatg gtgttcaaca 180
 ataaagcaac atcagtaatt agtacgtata agtaattagc atttgaactt ctttgggtacc 240
 tttgaactgc ctgaagcggt aattaattag ctggggattc aagtcttgaa ggagattgaa 300
 aaatcggttca tggccaagag aacaaatgct atctncctta gacctttcan ntgtgataat 360
 acaatacata tatattatat ttataattta tcatagatat at 402

<210> 8429
 <211> 490
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8429

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 actataccta gtattttaaa cctatgcagg ttttagttag tattctctgt tagtctcggt 120
 tggttgtacc accactcagt attctaaacc tcttcaagtt gcactcaata ttcgctaagt 180
 ctttataacc tctatccaag tattatttca aaaagtctct tcaagtttca cacccaaaagt 240
 aacaactact acttgacca aacaacagtt gttgtgttca caccaactta agaagcaata 300
 attcccgtag tgatcttcta agttatttcc tctatcttaa ggagctcgaa cactatgcaa 360
 ttcgagattt ccttntattg tgactcctct gatgaagggtg tttacaaata ttctttctga 420
 atatgatcaa tgacatgtaa agtttaaact tgacgatgaa acaagttgca acaagggtcaa 480
 atgagttggt 490

<210> 8430
 <211> 460
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8430

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 tactccatat agtgatcttg atctatttgg aactgcacat gtaatgagag gaaggcatga 180

gcatgaccca ccttgcttta taatagcagt agtagtttat tatgtcagcc aacaccgcan 240
 ataccanaga aaagaatcat gcttcatttc cctaggtgtt tgggaaaagt catcgccaca 300
 atatagttta catggaaaca ttaaattaga atttggtata gaaggagagg gagacagaaa 360
 gagagatgtg gtgatggacc caccacgtg caggcccat gaactcgatc gtcactagtc 420
 ttcatgcgcc accacaaccg aaggaaacct atatactatg 460

<210> 8431
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 8431

tgacaatcta atgtagctca acgctccttt ggagtggcac gaatgatata caatacacat 60
 tctcattgaa gattagatat ccatggagtg acttctatga cactacaaga gaagaattat 120
 tgaacatggc aatataggca acatatattt ttatcaaata tttcacattt tttatcaatc 180
 accgccaatt gttaattttt ttgttagaat attaacgtga agatttgaac ctataacctc 240
 tatcccttgg tctttcattc tctgaatgtc aattatcaaa cacatcttat cagttgcttt 300
 cagactcatt ttatatgccg atta 324

<210> 8432
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8432

tcactcaatg gataatgtat taccttatct taatcactca agaatagactc ttggcatctc 60
 atggaaatcg tgtacatcaa gccacaatt agtattgttt ccatttgaat tntctactat 120
 aaatggttaa agtacagctt tgcaaaaaat ggatattctt gtttttttat caaaactagt 180
 aaatactatc ctaaacacct tgattactgt gctaactctc ctagaattaa gtgtaaccaa 240
 agtgaacctc acacagagat cactctcaca tagagctaaa ttacactgtc actcagtgtg 300
 caacacaact ttgtcat 317

<210> 8433

<211> 475
 <212> DNA
 <213> Glycine max

<400> 8433

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cttcttccgc gtacgtgact tctcaccatc taatgcatag gtgcagtgga tattagataa 60
ttgaattgac taaagctatt tgtatgaatt gactaacgct ttattcacat ttataattag 120
gcatttactg gatgtccatg gcttcgttga aatatattta ggatataggt atacatgttt 180
tctatgtaaa tccatataag tatataaatt ttttatttga tatatatgta taccatatat 240
ttatctaatz atatzgtttga tattattggt attattttat attaatattat atatatatat 300
atatatatat atatatatat ataatzgaact ctatzgtgaat attttaatat atttatgtta 360
atzgtttttag tacgtttaatt acttatatat atattaatzgt gtataatata tataattact 420
tacatatata tataatzgtgt gtaactatct atgcatgtat atatatataa tatat 475
```

<210> 8434
 <211> 242
 <212> DNA
 <213> Glycine max

<400> 8434

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catgcaagct tgcaagttca ttggttggtg atccacatat tatctactcc acgatgaggg 60
aagtcttact tgaaaaatat ggaaccatac cttcaaatga tatgcaattg tatctggcta 120
aaagaaaagt gcttaacaca aataatzggtat tacatzgatgt atcatataat gatttgccac 180
catatzgcagc tgctgctcca cataacaatt gaagaatzgt aatcaaattg agtatzggagc 240
ct 242
```

<210> 8435
 <211> 501
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8435

```
cagttggggc tgatzgacgta cggaacataa atactaatzgt tgcatgtctg ccataaaaact 60
cggctgtttg cattgataat gtatcccgaa tcaagacaag caccacgtag agatzagagct 120
gatzgagatz gtattatzgt tcatattcat gactataatc cataccgacc tatgcattga 180
```

atgtactaat gccggacgga tgaagtctca ctacatttgt tgcagtgcct gatacgctac 240
gataatgtta ttgatgcatg cgaaggacca gatcgttcat gttggaagtt aaaggatgat 300
aacatactta tccgcgcgta cacgttcacg tttatatgtt ccatatgtac cccaccgtga 360
cagattgcga tccactatcc aataaaaaatg cggtataat gatcgacaca atatacttat 420
tatcactatg aactcatata tatgacaagt gcggaccgcg atacatcact cgacgaatta 480
cgtattcaac atattgatcc n 501

<210> 8436
<211> 276
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8436

taatacaaga tcttttgctc atctgttctt gcgccttcac ccttctcat tcatnngcat 60
atatttttct ttctgctgcg atacagatcc gacgacgagt cctgtgaagg tactaatacc 120
atggaccgga ctgtcgattt cgggcgagaa gcagatcaga tggatgagga agaagacgac 180
ataggggttat ccccgagat ggaaaggatg gccgcccaag aggaccgagc attgaagccg 240
caccaagagg aaacggaggt catatatctt ggtgct 276

<210> 8437
<211> 488
<212> DNA
<213> Glycine max
<400> 8437

tattgaagat cctaacactg tccagagatt caaataatat catgaaaacc taatgcacaa 60
tatgttatac cacatacgca gcacactttt gttgatttat catttaagaa tgaattcaac 120
atcatatctt tgaataacct ttttaattgat tttctatcat ccatgagcat aaaactgaat 180
agtttatctt cccaccccca aggagaattc atgttttaaat tactttactt ttcaccatga 240
tgatgttcat tctataatct tatataagta aaataaaatt actttataat ctcaccttcc 300
tggtctttac taaaaattaa atacaataaa atttaccaaa aaaaatgtaa ctgcaattac 360
ttcatcaata aacaaaaagg aatttcaatt agaaatcga cattaaccaa aattgtgaga 420

ttacaaagaa ttagaataaa aaacaagtgg tatacaatcg tcaactaatc actcttacia 480
agttttaca 488

<210> 8438
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8438

gctatctttt tcttganaaa aaaatcaaata aataacatgc cctacttccc taaaagtgtg 60
cattttttaag tgtttgtgcc atgaaaagta aggaatagca agcaaagtac ctctttttgaa 120
atcccgaaatt gggagaaatc ttctgcagca ttgcccattc tgcaagcaat tgtagcagag 180
aatgatgatg cattggtttt taaattggaa aagcgcgtgg tgaaaaaagg aatgaaaaac 240
cttaagaagg gtgaaggaat cgtaatcggg tggaaagtcg aaaccttttt ttttt 295

<210> 8439
<211> 435
<212> DNA
<213> Glycine max

<400> 8439

ctatgtggcc ccatccgatt tcttgaatt tgttcttctt tgtgcattct ctttgatttg 60
attaagtctt cattttatat gcaagatagc ttacgaaaca agttgaagta taattagtcg 120
ggccaccctc tctttctatt atttgattgc tattcggcgt tgttatgcat ttaccttctc 180
tctcttttat tcatttgatc gtgtgagttg tatacaagtg ttgcatacta ctggcagcaa 240
tttcttcttt acacgagaga aagagcgaga aaacacgccc cgtacaaatt tcaaggcctg 300
gaaataaaact tcttgatgca tactaactac ttatcgaccc actctatatt gggtagccta 360
acttgctact actgtcgcgt gtatgcttat ggttgtttct acttctccat cgacgcttga 420
atgctagcta cactt 435

<210> 8440
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 8440

agcttggaga ggatgcttca atggaggaat agatagaatg acagaaagag agagggggga 60
gcacgaaatt gaaggaagaa naaggagag aagttgaact ttgagttgtg tctcacaaaa 120
ctctcattca tcaaagttac aacaagtgtt acacatgctt ctatttatag agtaggtagc 180
ttccttgaga agctttctta agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240
gagaagctnt ctttaagaaaa cttccttgag aagcttcttt gagaaaactt ccttgagaag 300
ctatagctta gctacacaca cccctctaata aactaagctc acctccttga gaagattcct 360
aaataagtta gagcttagct acacacacnc tgtataatag ctaagctcac ccccatgccca 420
aaatacatg 429

<210> 8441

<211> 395

<212> DNA

<213> Glycine max

<400> 8441

tatttcgatg atgccaaaga ctcaagtcaa gaatcaagat tcaagccagt cttatgaatc 60
aaagagtcgt tctatctgga atcaacattc aagtgaagaa tcatgagaag actcacgata 120
ttcgagaaca tcaagaacag catcgagaca agtataaaaa gaattttttg aagaaaagat 180
tgaatagcag aatttgtcca acagaatttt tgaaagaaga atctttttatc gaagttttta 240
ctctctggta atcaattacc atgacgcagc aatcgattac cagaagccca aaacaagttt 300
ataaatattt tacaaagtag ctatcgatta ccatgggcct gcaatcgatt accaatgttt 360
ttgaacgttg gatttcgcaa ttcaagagtc accac 395

<210> 8442

<211> 245

<212> DNA

<213> Glycine max

<400> 8442

cttctttgag aagctacatc cttatctatc caccctcta ttaactaaat taacttcctt 60
aaaaataatt acggatgaaa ataacgcaac aaataatcaa acatcaaaca taattactaa 120
taatatatag atatatatat caggggtgtta cacatcatat attgagacgc tcgaaattga 180

acaatggaag ctctcgaaaa attaaaattg tcataaattt tcacacggat gtgcgatcag 240
gcaca 245

<210> 8443
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8443

tctgttggtc aactttgagt gtctcgatat attatgctcc tgaatcgaac atccgagtga 60
naagctatga gcattcgaat ttcttgagag cttacgctgc tcaatttcga gcgtctcgac 120
atgtgatgtt cctgaatcgg tcccccgct gtatagttat gaccatctga atttcacgag 180
agcttccgct gctcaatttc gagggcctca atatgtgatg tgcctccaac atcccagtga 240
aaagttatga caattcgaat ctctagagag cttccatcgc tcaatttcga gcgtctnccg 300
atattatgcy cctgaatcgg acatccgagt gcaaagctat gaccatccaa ctctcttacc 360
cgcttcatag ttcgatttcc acc 383

<210> 8444
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8444

agcttatcca gaggatgtgt tttatttaca ttcacgtggt ntagaaaaag ccgctaaatg 60
aagttctcaa ttaggtgaag gaagtgttga atgacagttt ggggtttctc ggagcttaca 120
atgggtgagt ctgcttgatg gctggatttg acatcaaatt ggatcaatat cacgaataaa 180
aatatctgag ttatctaate gattataaag caaacgtggt gtggaaaaac gtttgaagac 240
acggactgtg ttttattcca tctgagtgc agttgttaca gttgttggtt gctatcacgt 300
atgggttttg ctatgataat ctaagtgaca cttacaaatg aagatgaact ccactctaate 360
agttcacgta ttg 373

<210> 8445
<211> 436
<212> DNA

<213> Glycine max

<400> 8445

tctacttcat agtctaccac attcatatga tcaattcatc atcaacatta ttgtcagtcg 60
tctaaccttt gatgatgttg ccagaactat tcctaaagaa gaattctaac aaaagaataa 120
gaaagatacg caggaaaatt ccaagcatgc aaaggcttta atgatgacga aggtagatca 180
atgtaatgtg gctctaattg gagttaaaat catggcagat caaagtcttg aagaagaaag 240
aacctcatat actataattg tggcaggaga tgacacttaa agaaagattg ttggcctaaa 300
aagagtggag gagataaact atagagaatc gagctctcaa cgttgtgttg ctagcacctc 360
acataatatg gaagccatgt gtagtgaaac accaattggg tttagaggtg gaagacaact 420
tcatgatcgt tggata 436

<210> 8446

<211> 341

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8446

aagaaaaaaa gttacgagtt gggacaagac cttgcccaat tcatgaatgt cacaccaaaa 60
tcttgaaaac tgattggaag taaaacttgc atcttttata aaattccatt attatttgaa 120
gggcatataa aaaaaatggt catagtagaa gaatttacac tatttaatta aaaaatgttt 180
ttctaataaaa caccacacatt taaaatgta gaattgatta caaaaaanaa tgtagaatca 240
aatattataat aaataaatat acagaaatac ggaatgagag ggaaaatat cattaaatat 300
atatntagct ntatacatgt tgataagtta ttagttattt a 341

<210> 8447

<211> 469

<212> DNA

<213> Glycine max

<400> 8447

agagtgagtc attatgaaac atattcttgt taccctacta tctttttgta tagtggaaga 60
atctccatat tagagaatta taatcgtgtg ctctattac tacctttaat tactaagtgc 120
ctatcttagc tttccaaca gtaataatag agtttagttg tgaatttgag aaaaagaatt 180

atgcacctta aaaagtttta tatagtcatt caattataat tattatatat gataagttta 240
 ttaattttta taataattat cttaaaatag ttcaaacata aatctatgat tgaatgactc 300
 taaaattatt gtatatgcat tacattctct gaattgtgat agattagttg accatttact 360
 aaaattgaat gtaactttta tctattagta tcgtaaaaat ctacaccttc aagtcaatca 420
 atcaaaaacc attgttagta tcatatttta caatagctat gggcatgat 469

<210> 8448
 <211> 556
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8448

nnccccaggg aggtcagcga cctanagtac gagncnncn tanantnnga ncnnganngc 60
 ntgccagact ctaacggcac agttggccgt ctaacoggaa cntgggtttac tttcatcatt 120
 aatgggcnta aagcaatcan aggcttgta tagcctctaa ttctataaat aagagaccaa 180
 attacggtt aagtgagcac cggctcgctt agccgcatgc accaaaaatt ctacaaaact 240
 aaattggcct tgggcttaac gagacagact tgcttagccc agacttattc tcaatagagg 300
 catgctatgc ttatcgagcg tggcttattt ctccaaaatt tcttagttcc ctgttagaaa 360
 cttcagcttg accatttggt gtggatggta tggtaggcta cttgtgtgga cattgaatgc 420
 cttancacct tctgaagctg gttgttgaaa agtgagagcc ccactctgat tangaccctt 480
 gacaccaag cgagcaaat actttcttca gacttactat aatttacatc gtctttgggc 540
 agcactgctc acccat 556

<210> 8449
 <211> 188
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8449

tactaagctg ctgtgttaca tacctgctca cgatcagtgn gcggatcttc tttctagcca 60
 cctcatcca ccagatttca gcttattagg gacaaactca aggtgtttga gctctctgaa 120
 gctcaccac cttaagtttg gggggggggg gcctccctc atcctactca cttttacctc 180

ccctcctc

188

<210> 8450
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8450

tccccgacga gcttcttctt cgcgaggctt ctctggcagc ccttggaccc atttgcattc 60
gaggtagggtg gccttcttct tagctttggt tttggtatgc actacattag ggtaggttag 120
tggaacctta tggtagaaaa cggaacctta tgatagaaaa cgaaacctta tggtagaaga 180
cgccngaaaa atggcgacag cttggtgacg gtggctcctt tccgaagacc cgttaggggt 240
tcttctggaa cttccggaag atttccgaaa gaatagtgtt tctggaacca ttgaaacgtc 300
tttcagaagt actggtcttt cngaaagctc ccggaacacc tattccgata agttccggaa 360
caagtgggtg ttcctgaaac attccngaen gaaggttctt tccgatgacc tttcanntgg 420
ttccgaagca cttttcggaa gagcccttct ttct 454

<210> 8451
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8451

ggataagagt agtaaatgat gaagtgatac ctttaggcaa tgatgcactg ccatgaaatt 60
cctgaatgcc ttcacaaata tcagctccca tcgtgctcca acaagctttg aaaaaatcga 120
agttgaagct gtatgggtcca aggcttttgt ctccagcaca gtttcaaaca attgctttga 180
tctcttcaca agaaaatgga gtttctaacc aattactatc ctcatgctt atctgtttga 240
aatccaccct ttccatctgg ggtcgtgaaa catagtcttc cttaaagcatg ttagaaaaga 300
agcgtttaac ttctttotta accctacca catcttcaat ataactgcat cagaattaac 360
gcactntagt ttattcttct gacattctgt tcaaaggcaa gagtggaaaa attgggtatt 420
gataatccca agtttc 436

<210> 8452
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 8452

```

tttcgagcgt ctcgatatac tactgtacac aatcggacac ccgagttaaa agttattgtc 60
gtctgaaatg gctcacaact tttgtttcaa ttacgaacgc tttgatatat tacgggactt 120
catcggacat ccaggttaaa agtttatgtc gtttgaattt gcttaaagct tctgttttca 180
atttcgagcg tctcgatata ttaccggact caatcggaca tccgagttaa agtttttgtc 240
gtttgaattt tctcaaagct ctctgtttca attacaaagc gtctcgatat tctacgggac 300
acattcggac a 311

```

<210> 8453
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8453

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ntctacaaaa tcaaacgaac aataacttta actcggatgt ctgattgagt cgcgtaatat 60
atcgagacgc tcgtaattga aaacagaagc attgagcaaa ttcaaacgac aataactttt 120
tactcggatg tccgattgag tctgttaata tatcgagacg ctcgtaattg aaaacagaag 180
ctctgagcaa attcaaacga caataacttt ttactcggat gtccgattga gtcccgtaat 240
atatcgagac gtcgtaatt gaaaacagaa gctctgagca aattcaaacg acaataactt 300
tttactcgga tgtccgattg agtcccgtaa tatatcgaga cgctcgtaat tganaataga 360
agctctgagc aaattcaaac gacaataact ctttactcgg atgtccgatt gagtcccgta 420
atatatcaag acgctcgcaa ttgaaaacag aagctctgag acaatcaaac gacaataact 480
ttttactc 488

```

<210> 8454
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8454

agcttcatgg ngtttctga attgngttat caaattactc aggtgggttat ttgagcaatt 60
atgcaaaatt ttattttctt tcctcttccc atctcatgtg ttggaataaa ctatactaca 120
cggtttctct gggttttgat cttttcttct tcttttgtca attttcttgc tttgttgag 180
catgaagttt ggtctaagt atagattctt cttgtctgtt tcttttttgt aggatttgat 240
tactactgga tgcctgactt gagttgtgtg aagtgatgaa ctgtgtttta tgctcgtttg 300
ttttcaattg tttctcacga tgtgttattg ggaggggttg agtgctatgg agtntatatg 360
tg 362

<210> 8455
<211> 98
<212> DNA
<213> Glycine max

<400> 8455

tttttaaagg gtaaattact catgtgatct ctatagtttc aagattctta cctctttagt 60
ctctatagtt tgaaagcggc tgttttagtc cctatagt 98

<210> 8456
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8456

agctntgagc anattctaac gatagtaact cttttctcgg atgtccgatt gggccccgta 60
gtatatcgag acgcacaaaa ttcagaacaa agcctctgag caaaatcaaa cgaaagtaac 120
tttttactcg tatgtccgat tgagtctctg aatatatcga gacgctccaa attgagaaca 180
gaaactctga gcaaaatcaa acgacaataa ctttttactc ggatgtccgt atgaatcccg 240
taatgtgtcg agatgtcgt aattgaaaac ggaagctctg agtaaattct aatgacaata 300
actttgtact cggatgtccg aatcgtaata tatcgtgacg ctcgtaattg anaacagaag 360
ctcttagcat attct 375

<210> 8457
<211> 488
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8457

cttcattntc aattacaagc gtctagatat attacgggac actttctgac atccgagtaa 60
atagttattg tcatttgaat ttactacgag cttctgtttt caataacgag cgtctcgata 120
tactacgaga cacaatcgga catccaagta aaaagttatt cctgtttgaa tttgctacaa 180
gcttccattt tcaatttcaa gcgtctagat atattacggg acacaatcgg acatccgagt 240
aaaaagttat tgtcgttaaa attttctaag agcttatggt ttcaatttcg agcgtcacga 300
tatattacgg gacttaatcg gaaatccgag ttaaaagtta ttgtggtttg catttgctac 360
aacctttcgt tntcaatatt gagcgtctcg atatattacg ggacacaatc gaacattcga 420
ataaaacatt aatgtcgttt gaattgctat gagcatctgt tctcaataat gagcgtctcg 480
atatacta 488

<210> 8458

<211> 379

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8458

tggcagtatc atgctccttc tatacctgcg cgtttgaatg tcgtatcggt gttgatacaa 60
cctgtgtgca cccaaatcat gtcgacaaac accatgaaga caataatagc ttatttttca 120
taatgagggt ctcgttgatg ttatgctcct gctaagaaac ctatatctgg ttttcttgtc 180
aacaacattg ttgtcgtgta agcttgtgac attgacaatg ggacacaact gtcgtaaagt 240
tgacgacaca cattatcttt ctcatcttat gttcctaaag gttttcattc ttgacaaaag 300
aatttggtgg tggaacacat gcttgtcgta tcngatgtca tataagcgac gatgggtactg 360
gccagaatca tgactataa 379

<210> 8459

<211> 292

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8459

agcttgtagg attatggngg acccgtcata tgtggtacta ggtggcgatc gggagatggt 60
gcaaatcaac tctcccatat ccacaaatca cacatgaacc caccatcccc agttgcccac 120
cttcaactga gctcgcgtac cccacgtag cccttattct cgttcctctt agcaccaggt 180
ccccatcaac ccctccaagc tttcacaata tccaaacatc atgaactacc ctaaaccaag 240
aaaacagggc agaggcaaaa aaactctatt caaaacacat tccaatacca ca 292

<210> 8460
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8460

tcttgcgtag cgcgtcttgg agctcagaaa atcccaataa caaatccctc ttattactag 60
ctattctgaa ttcttttagtt cctgaatgta caaccttcaa attggtgctc attcccctct 120
ttgttttctg caaaaaagaa aatcaatatc aaagaaaaca tggatgaagc cctaaggatg 180
ccatgtacat gtgtatttct gaagatatag tatttatatt ccatcaagca tacattgact 240
gctgattaca tgtaatagac tttttataac atggttgccc caaatcacaa ttaanaagca 300
caactaccaa tctttcagag tcctttgggt aatttgactt gtctccttct tgggtggggt 360
tctaattaat aatattatac ttttgcttc caaaaaaaca cttatgacta atcctctttt 420
cattaatcct attctgtatg ttattggata caagatcat 459

<210> 8461
<211> 418
<212> DNA
<213> Glycine max

<400> 8461

cgatgatcct cgtaccgccc gcgtccttga gtcacctggg ctgcagctta acattcattt 60
cagcggttaga ttattacgga ctcatcaaca tcgagtagat gttctggcgt taaattgctc 120
ggcctccagc ataaatatca gcgctcgata tatacgggac tattcataca tcgaaaaaaaa 180
gttgtgcggt tgaacttgct aaaattcaca tcatctcgag tgctcgttat atacggggcca 240
atatacatcg agaaaaatta ttgtcgtgga tcgcattagc ttcatatcat acacgggtga 300

taatacggac taacaacatc aaaaaagtat ggcgatgatt tttataactta cattaattga 360
cggttataat acggactcat aattccacaa agttttgtcg tacttgtaac tcccatct 418

<210> 8462
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations .
<400> 8462

ntaagcaaat tcaaacgaca ataactatctt actcggatgt ctgattgagt tccgtaatat 60
atcgagacgc tgcgtatcga atgttgaagc tgtgagccaa ttcaaacgac aatgactgtt 120
tactcggatg actgattgag tgccgtatta tatcgagacg ctcgaaattg aatgttgaag 180
ctctgagcca attccaacga caataacttt ttactcggac ggcctattca ctgaccgatt 240
atatcgggac gctcgcgaatt gcatgttgac cctctgagct aatacaaacg acactaactc 300
tttagtcgga cgtctaattg agtcccgaat ataacgagac gctcgaaata gaatgttgaa 360
gctctgagcc aattcaaacg acaataactt ttactcggga tgtctgattg agtcacgtaa 420
tatatc 426

<210> 8463
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8463

agctntagtc aaacagaata atccanaaat gtcttagaat tgggtgttga aaaagcataa 60
caagactttc tgtgattggc ttaaagatac aatctttgca gatgagaatg ctttataaac 120
attaagaaaag ctagcagatg ggcctaaaag aaatgttata acttgacaag gatacgacat 180
aaacaagtat tcattttaca caaaagcaca agatgacaaa agttcaatgc ataacagcgg 240
ggtcacccta agggctgaat ctcaacactt tgcaagtgtc aatgacgcca atccctgtgt 300
agcttccatt cctttacttg gggtcataga tgaaaattgg gagcttaact atgtgaaatt 360
tg 362

<210> 8464

<211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8464

tgcattggatt tacattctcc nctttctcaa gcaaattctt aattcttctt gacatcatca 60
 aaatcttcat gatttacatt ctccctcttt ttgatgatga caaccacctg taggttagga 120
 gcaacaacaa agaaaatatc tatttgcata tagtttactc ccccttggtt ttacaatgat 180
 tgcttatatg agacaattga agatttcata tttttcatat ataaaaagtt gtctcataaa 240
 acaatagata atctntctta ctattgtatc ttttatcttt ctcttcccct ctgtcaacat 300
 caaaaacaaa tcatgaatag aaaggagaaa gatgttacca ctctgtgcaa tgtatgagaa 360
 taagtgatac caacaggcat taaaacaatc attcaatatt aatcaagcaa aaacaagtac 420
 actaacacat caatcaaaca caatcaaaca ccatcaatca 460

<210> 8465
 <211> 218
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8465

tcttcattct tcacatgtac gtacgttctc ctggacttga ttttctaaca taataataaa 60
 acacctgttt gatagattta ttattagtta ttattatcca atattttaag tatgttgtgt 120
 ggtttaataa ttctatgtga tttaagactc agattctatt ntaaataagg ttaattacta 180
 ttttagtcct tgaatttgaa gagtgtattt tttttagt 218

<210> 8466
 <211> 231
 <212> DNA
 <213> Glycine max

<400> 8466

caaccgttgc tgggacaatt gtttccgctt acatagtata cttcagttcg caaacagtca 60
 ttcattattc tttgagtgtt tcttgcgaaat agttagaatc catatattat gtcttgactt 120
 ggatagatgc tgctctgtat agctgcttct tgtttgacgac gctcaacttc ctcggaatt 180

tagctccatc tgatctagag attgaagcta cttgtctgag atgcatcaca c 231

<210> 8467
 <211> 297
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8467

agcttatgga tgctgcagnt atattaacgt catatatgac tctgatcact ttttagatac 60
 tttgcactca ttagaaagct agtattttgc agaaacctca atattgtcga tacatacaat 120
 gatagggcag caggagttaa acaccatgtg taaattaata ttatgggtcc tattacttta 180
 ataacactgc ttagactctg ccatattaat ataagaactc acattcggaa agttgctata 240
 ttttggttag cttttcatcc acctgcatag agaattatcc atatacatat gcattaa 297

<210> 8468
 <211> 185
 <212> DNA
 <213> Glycine max
 <400> 8468

caacaagctg agtgggtaaa cgcgagaga tagattctgc accctttatc attcaggaac 60
 aacaagttga gtgggtaaac gcgcagagac agattctgct ccctttatca ttcaagagca 120
 acgaggcggg tgataaacgc gtagagacag attctgcacc ctttgtcatt tagatttcac 180
 aaagt 185

<210> 8469
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8469

tctagccaaa tggacttacc ttgaattaat tctttgtagc tccttttgag ccttgtttcc 60
 cttttccttg ttttgaagct cactacaagc ctttaagtga aaaccatgat attaccatat 120
 ccttaaggaa ttttgagct tttgaattgt tttgggaata agtgtggggg gtttttgttt 180
 cattggacaa cttgttttgt tggctatgct tcatgatgta ttttgggcca tacttgatgt 240

acaatgtaca ttgtatattg gttaaagtgt ggacatgctg aatgaaatgt tgtttctcaa 300
 acgctaaaga gtaaaaaaaaa aaaaaaaaaa tcgaaaaaag aaaaagaaaa gcaataaagt 360
 tgagtgaata agatcttata tggcacaaga atgatgaaac tcttggttct actcttcatg 420
 cttaattctt atctntacct tcttctatct tcttattttt cttcttaata tgcacttat 479

<210> 8470
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 8470

atctctgcaa aagctgctcc tcttgctgcc tccagagttc ttttcccgaa ataagcacta 60
 tgggtgtgctt tggaatctat gcaaatcatc tactttaccct aattctgcaa aaaaataggc 120
 tttaaatagg ctctaaattc gtaacgttgc gcttaacgca agtaagtggg tttgagctta 180
 gcgccagtcg tgcattgagc ctggctgaag acaactactg cggttagcgc actgatctcg 240
 cacttagtgc gogaccttga tattgatgcc ctgccagatt cttctgtcgc gctaagcggg 300
 ctgaagctgc gcttagcggg ggatgagcgc ttagcccact gatgagctaa gctcaactgt 360
 cactt 365

<210> 8471
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8471

ntacatgaat tntattaaca taaaaaattt cttcaatcat agtacctttg atatatctaa 60
 taattctctt agctccttgt agatgactaa cgcgtggctc ctcaatgaat ctgctaagca 120
 aactaactcc aaattatctg gtcttggtgc aaccagatat ctcatatttc caatcaaact 180
 cttatataga gttgcatcca cttttttttc cttcaacatc tcttgtcaac tttagctctt 240
 cttcaactag tgtggaaaca tgctttgaat tttccatctc gaatttcttc anaatatcac 300
 atgcatactt cctctaggag atgaanatcc caccatctcg ctaattgacc tcaatgccaa 360
 gaaaatanga catcaggcct aaatctgtca tctcacaaca tcttatcata gcttccttag 420
 attctgaaat caactntgaa ttcgtgtcag tgaagattag attatcaaca tacagacaca 480

caatgagaat at

492

<210> 8472
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8472

gctcctgaat atgacagcca tcgttttagg agtgctgagc accagcagcg cttcgaggcc 60
attaagggat ggtcattttt tcgggagcga cgcgttcaga tcagggacga cgagtatacc 120
gacttccagg aggagatagt tcgccggcgg ggggcatcgc tggttacccc catggccaag 180
ttcgaccag acatagtcct ttgagtttat gccaatgctt ggcctacagt ggaggggtga 240
tgagatatgc gatcctgggt gagnggtta gtggatccca ttcgatgcgg atgc 294

<210> 8473
<211> 467
<212> DNA
<213> Glycine max

<400> 8473

tctacttatg tggcagggcg ggcttccttc accttcttgt ctttaacgcg aactttgacc 60
attattcttc cttcccgoga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
accatacttc ccacgatttc cttgggtatt tatcaggeta gttatgccgc cgttggtttt 180
tcctaaaccc atcccgggtt cataaccgtt ccccaacata actcgggcca tcattatcgc 240
tgcacgcggac agacaaggct gcccaaagag ggagtccacg gaggaatgc tgaccacctc 300
aaaagactgg aaagcagttt ctaacgattc ttctgcggct tccacataag gcatggagga 360
tgggcagctt accaagatat ctctctgcc tgacacgatg accaagtgcc ctttactat 420
gaatttcagc ttttggtgga gtgtagaagg cacaactccc actgagt 467

<210> 8474
<211> 347
<212> DNA
<213> Glycine max

<400> 8474

agcttataag tgcgggtctg ggagacgaaa gtcattgtgt cgcgatatgt gaagatgatg 60
 ttccaagaac tctggatttg gtccgaccat gcccttctga ttttcagctg ggaaattggc 120
 ggggtggagga acgtcccggc atttacacaa caagcataat gtaaaccctt acgggtttta 180
 aagctctata gttgggccta ggcttttagag ttttcatttt gttaaggctt tgtgtctttt 240
 gtctttgaat ttataatata aagatctttc ttcattctgt cctgggtctc acccattctc 300
 attcatttgc atgggtactt ctttttctaa aacggcagat ccgatga 347

<210> 8475
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8475

ctaagcttga gccaaatcct gactcaccat anaccttgac ccaggtgaga atgccaatcc 60
 ttaccctcgg aagcaaaaaa aaggagaaga gaaggaaaat ttccaatcaa agaggaagca 120
 taaaaaggag agaaggaaaa tttccaatca aagagaaaaga aaagaagagg aaaggaaatt 180
 cccaatcaaa gagtgggaga aagaaaaaag aaaagaaaag aaagaaaact cccaatcaaa 240
 gaatgggaga agggaaaaaa gaagtaaaaa agaagaaagc tcctgggtcaa agaaactaga 300
 agaaatgtgc agaaaggctt tttgaccgga cgatatctga acaatacaga attgtcacca 360
 aatgaacaaa aaaagaagga aaggaaacca cgacctataa tgggtcttct cctttaatta 420
 ccaacaaaa t 431

<210> 8476
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8476

agcttcttat ccaagacact ctcttagtgg agaaactcct tcttcttagc ttattcccta 60
 gtggatgacg ccttccactc atctcttctc ctttatcttc cgctgcatct ccatgggtgga 120
 aaatcaccat tgatggacat tattgaagct caaagatcca gtctccatag aagcttcaca 180
 agcaagcttc gattagttag accacaaatt tcattttatt taagggtaaa atataattct 240

aaggtaaagt ttcgcctttt tttatcgtaa caagcataat attataataa tcaacttcaaa 300
aagtgacaac ataantaaaa gagatatata taaccattta ttaattacaa tcataatgtg 360
ttatacaata aaattatcaa aataacatct ttcattacct agtaaacaatg atcatgtacc 420
atcattacaa ttatccaata tat 443

<210> 8477
<211> 272
<212> DNA
<213> Glycine max

<400> 8477

cccgcatag tccgtcagtg agatcctgtg atgtacctaa gcaggcgagc tcctggcagt 60
caacacataa aaggaaaaca agaccacaca tccacgagggc ttgtgggtggc tggccacctg 120
tgaattttgt gtaatatgtg agatatggcc tctggtaatc gattaccaag ggtgggtaat 180
cgattacaag gcttaaaaat gaatacaaga ggctaagatg gtctctggta atcgattacc 240
aagggatgta atcgattacc aggcttgaaa ac 272

<210> 8478
<211> 317
<212> DNA
<213> Glycine max

<400> 8478

cgctactaga acacacagga gtccacttat aagtaagga tgagattatc gtaattgggg 60
ttagaatgaa catctgtagg aatccttacg gtatcaaatt gaggcttatt ttgggatgtc 120
tattgtatcg aaattttgcc tgtatgatca tgtaaaattg tgtgaggggt ttactcccca 180
tggattgaga aacattgttg ttcaattcgt ttgtgtttat gataatatta acgtgataaa 240
tattgggatc atgaaataat gattgacaat atgtataagt gataaattta atatgtgatg 300
aattgtggga caacatg 317

<210> 8479
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8479

tanagggatt atttagatgg aattcttcta gtataacttt attcaatgat gccatactca 60
 tatccatatg atctattctt gacaacagaa atctattgct caataatgtg agatcctgtc 120
 ccagcaatga atacaaatat atatgtgatc attatattaa agcaaataca gtttacggcc 180
 caagacaaaa taaatagata taacgcccac acaaagtgtc attcagcaaa aacaagtgtg 240
 aaattatcct agaattagca accaaattag tagttctaaa gagaattgtg atatttacgc 300
 ttttgtacca agtaaagtaa attatgaaat accttctttc tattctattt tcattttctt 360
 tagcctgaca gcctcacata aaattaatag gaagtaaagt tcataaggag cttgacacta 420
 ctcaacctca ggagattcac gactatcata gcaaaataac 460

<210> 8480
 <211> 570
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8480

ttatattcac tgnrcantca ccaacttaat gattctaaat cttcnttaca cctctntctt 60
 cntnnccgc gcagggatg gcnttgatct actanccgc gacctnnana nncnacctgc 120
 aggcattgcaa actaggacta tntaatctga taagctctat aatttttgag ccaccattta 180
 attaaaaaag taggttaggc cagactttat gtaagccagg acgtaagccc ctgctcgcat 240
 ggcccgccct attctcacc ctaagaatag ggatttcgga atacatcggc aatccacaaa 300
 taaatatgcc aaagacctat tccaaaatat ttacttatgg catcggattg gcacactaca 360
 tttatggcac ataagactac atctgaaaag gaatgagtca agccgaacaa agctcacttc 420
 atggcgtggt ggccaagcac acatagcaaa acctgctttg aactgggcgc ccaaaggaaa 480
 ggaagtgcag tgctgggtctg accgacgaaa gaacgcagag gatattaaat tatgagggcg 540
 gaacaatttc taacgagatt cctttaatcn 570

<210> 8481
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8481

actatacaat ctcaaccttg ggaatagcct acatatcacg ttctgtgcgc gctgtattgt 60
ctaataccaat anaaagcaca cgttactaac tgaaactaag gtgcgtgtgg attatcgttg 120
aaaccacgct gcacagagaa attgcatggt ccaacgcaaa aattatcaag caactatgct 180
gtagctttca tacagtatgt tgcagctggg ttcaattgct tctcaaacac acaccaagtg 240
ccaacagagt tcgcattacc tgctctgaca aggcggcac atcatccaag ctatgagagg 300
tcactttctc agtaatatga ggtccatttg cttcaagtat catcctctca cgaaaaataa 360
ta 362

<210> 8482
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8482

agcttctccc gcaattttct ataaataggg tgagtattga agtagaaaaa gggtcagccc 60
cttaagcact tctttctctc tcgaaatagc tgaggaaaat tagttccgtg aagaaaatcc 120
aagccgaggc gcttgtgtaa cgtttccgta acgtttctgt gagtgatttc gcgaagggtt 180
ttgaccgttc ttcgacgntc ttcattcatt cttcatcgnt cttcagtctt caccgggtaa 240
gtacctcaaa ccaagctttg taattcattc tatgtaccgg cggnggtcca taatatgggt 300
catgtatttg tattctcggt ntcatttact ctttatac 338

<210> 8483
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8483

tctacttatg tggcagggcg ggcttcttc actttcttgt ctctaacgcg agctttgacc 60
accgctctta ctctctgga tgcttctctt catatctgcc tgagtgggct tatagcctaa 120
accatacttc ccatgatttc ctttggcatt tatcaagcta gttatgccgc cgctgtcttt 180
gcctaaaccc attccgggtt cgtaaccgtt cccaacata actcggggcca tcattactgc 240
tgcacgggac aggcaagctt gcccaaagaa cgagtccacg gaggaaatgc ttaccacctc 300

acaagactgg agagcgngtt ctaatgactc ctctgcggcc tccacataat gcatagagga 360
 tgggcggctc gacacgatgt cctcttcggc tgatacgatg accagatgcc ctctcactac 420
 gaattctaac tgtcggtgga gtgtagaggg aacaaccctc actgagtgga tccat 475

<210> 8484
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8484

cctatatatta tataagatct gaacaagata agataagatt ggatgaaata aaatctccat 60
 tagactagat aagaatggat gaaataatct ctcaatgaaa taaactcctc atcagatcac 120
 aattaataaa ataaaattgt ctgctctctt caagttcaag cccaattccc ggatccaagc 180
 ccaattgctt ataattctcc ctgaattaaa ataaaaacac acaattagtc cagtaggccc 240
 caatgataaa aatgcataat taatttaacc attaaggcta atcggttaatt aaaatggtga 300
 caaacacggc tacgaaatan gagaaaataa tgacacctct ctttgcaata aatgccactc 360
 tactnncgaa ttcttgaaga tatgttgatg atgaaaatac atacctcccc ccgacacttt 420
 gttgggaaag cacctgcccc 440

<210> 8485
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8485

tgttcttgat tgttcctcag ttattctaca cgcattggaga catttacttg gccttcattc 60
 aactgccctt gggcttgacg gccacgctca acaaagtact ttcgagacct actgtacggc 120
 gatttcgcca atgctgttat gggaatgttg cgacgaccc ttaaaacctt attgaatcat 180
 tctaagaggc tcgatgtcat gtgggcatat cgacgccctt ctctatcgta cagcatcgac 240
 cgtttttcct ttgagatgag atcaatccat gctgctatgg ctggactcag atcacaaatt 300
 ttctgtaaat tgtgatgacg acatgtgatc gcatggagtg tccgctgcat aaacttagtt 360
 atgaataaca gttntaacta tctat 385

<210> 8486
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8486

taagtcacct gaggcattgca agcttgataa tgatccccta tcaatgataa ttctatatta 60
 tatatagtgg agcagctatt tgtgaagaat aaatggtata tgtacgaaca ataatttttt 120
 ttatatgttg ttatttaatc agaaatgatt atacataata aatttattaa tatttataat 180
 aattaaataa aaagttatat taatattttc ttatttaacg ctatatattg taaatttgac 240
 actaataata catgtatatt aaactcattn tgaaatcttg aacgcttact cattctaggt 300
 ataatgtcac actgaatggt tggagtaaca agaggtgaaa tccaagacaa aagttntatg 360
 atagggaggg aaattangta tagagaccta tatttaagaa ttatgatcaa tagtaacttc 420
 taaattattg gtatagaatt tatcaagtct tttttaacgt aatagtagca tagagtagag 480
 tttatgata 489

<210> 8487
 <211> 270
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8487

agcttgctct ctccgatgga agaataccgt gacatatgtc tcttgggcct tataaaggac 60
 aatgaagtca aagtcaacct atgcttgtag ctactncatg ccaattgaat ggccacagca 120
 acccaagttc tccaccctgg tgagtaatac cttgcacttc tcttcacctt ttccttaaca 180
 aatgtgtacc tgaaatgttg tgtcacatac ttcacgtcct gtgctataag gccgaacgcc 240
 tcggtgggtt ccaacgtgat gagtgtggat 270

<210> 8488
 <211> 287
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 8488

tacccttcac agtcgacact gatgcttctg caaacggaat ggtggcaatt ctgtcacaac 60
atgactcacc caattaaagc ttttcatgaa accctttact cagaaaacgc atcggggcgtc 120
tacttactga acacagctga ntcctactcc cacctgggtg aagaaatggc gactatatat 180
tctcggacac agcttcacac atcttaactg atcatcctag cttgatacaa gctatgaccc 240
acgtcgccca aactctacag aaccatacct acttagtgcg attaatg 287

<210> 8489

<211> 353

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8489

agcttctaag tcattttctg cttatctctc acacttaact nngaaaccct tttgttcatt 60
actaaacaag ctaaaatcac aatcacaagc aagatgtact atctacatgc tagaaagaaa 120
taaaatgaga aaagagaagg gaaagaaaag tcggggttgc tcccagtaag tgcttcttta 180
acatcactac cttgacgcat catcctgata tccacgatcc aataatgttc ccacttccaa 240
gaccttcttc tcacgtcttc tttcttccat cacatgaacc ttatgataga tattccggtc 300
aggtggctct ctatcattac gaaatagatc aaagctgac tcttgatctt cta 353

<210> 8490

<211> 309

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8490

tatggacaat aaaatacggg gtattgagaa gagcattttg aaagaagctt ctgtgcctga 60
tgctgagaaa gatgttnac tatcttacac cccgaatgtt tctgtgcctg atgatgagaa 120
agatgattct acatcttccg gcctaaatgc tgagggactc cctttatcca cgggagaaga 180
atcaacagaa gaagaggatt tagccctaaa tgagactcct gtaacgcggg cgctgaagc 240
tgctgcagtg aactaatgac ctgtagacat taatgtgtga agaaccattg ccacacgtgg 300
ccctcgttt 309

<210> 8491
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 8491

aaagctaaaa ttcatcata tatcttagaa accaaaatca gcttctatct aagagaaaat 60
 catcttcaaa gtaggtcact taatcatgaa aaactctaag tttcatattg gacaaaataa 120
 cctcatgagc ccctttcttt tcctatatat agaggagacc aacaaaccat atatgaccaa 180
 agaattaagt ggaattagtg ttaggcaaga agctcctcaa tcaatatttt tatatttcct 240
 tttgagtttt caaactcaag gaatttagac ggcttgagaa tgtgttttaa atcacaatca 300
 agtttttgtc ataataagaa gtgtcgtgga tatcatggtg gacaaagcca ttgggtcaat 360

<210> 8492
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8492

tagcgtgaaa gaggcatact gagactcaac tctctaata gaacatcata agcctgagta 60
 tctcattggt gggagcctga cagaccaacc tcttgtaata taactcttcc ttactatcta 120
 tttaatgcaa tcttgcgttt tattgttctt ttatgtgatt tgttgctggt gattgttgtc 180
 tggcaactca tactcatgca ttgttttagaa aataatacat tgaaatatgg ttattttcta 240
 aagaattggg aaaggacatc aatatgaaat cattgctagg aataaactga tgtttgttta 300
 gcctatttca tgcactttta ttcttaactc aatttactat tttatctcta ctaaggaatt 360
 cgggaaagaa aatagataaa ttangcttat catgcggcga acccaagata gagtatcata 420
 gtagaggtgg gtganaaccg agataacatt agatagagaa aaattattaa agtcgcatca 480
 caagtag 487

<210> 8493
 <211> 226
 <212> DNA
 <213> Glycine max

<400> 8493

gtagtcaaag agaagttcaa gtccatagcc atcaaagtct gaagagagta tgatgaacta 60
atggacgtca atatggtcac cgatgaagcc ttggaatgag aaaccagaa tgcccgaag 120
gaagaacacg accaaaacaa gttttgaggg gctttatatg gcagcaatag tgagctcaag 180
ctccgaagag gtgaaaggaa tcatcacggg tcataggcat gatctg 226

<210> 8494
<211> 463
<212> DNA
<213> Glycine max

<400> 8494

tagcgctcaa taatgttctt gtgaattcga gtaactaacc tgcggaattca caagacacga 60
tttcacacga gtaaaagaca ataaacccat acaaaaaagt ggattacaag tatcatataa 120
agatttatga ttttcgcggt ataaagtcga aattactttc acgacttact tttaaacaaa 180
aattaattca caaaatacct tatttaataa ttttgaaaaa aattatccca aatgataaca 240
aaaacccatg tagcaccttc aagttctacg gtcacctctc tcatttatag aaccaccaag 300
attgaattta cagccattgc ccatagatca aagtacctca gttttctgaa tgtctcattg 360
gccatatcta gttccggaaa aactcttctc tatttatcta ttggaatctt caccaaaaga 420
gatatagaca cacaatctta tgagtcctaa gtctgaccca tag 463

<210> 8495
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8495

tgcaagctgg aatcatttat cctatctcct acagccaatg ggcgagtccc gtccaggtag 60
tcccgaagaa gaccggcctc acagtgataa aaaatgagaa ggaggagttg attcctactc 120
gggtgcagaa caggtggaga gtctgcattg actataggag gctgaaccaa gttacaaaaa 180
aggacaattt tcccctgcc ttcattgacc aaatgcttga acgcctggca agaaaatctc 240
actactggtt cttgatggt ttttctgggt atatgcacaa tactattgct cctgaggatc 300
angaaaagac cacattcacc taccoctt 328

<210> 8496
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8496

ctcagcttct aaggaagttn tctcaagaaa gcttctcaag gaagttttct aagaaagctt 60
 ctcaaggaag ctacctagtc tataaataga agcatgtgta acacttggtg taactttgat 120
 gaatgagagt cttgtgagac acaactcaaa gttcaacttc tctccctttt tcttcttca 180
 atttcgtgct cccccctctc tctttctttt cctccattga agcatcctct ccaagcttct 240
 tatccaaggc tcatcttggg ggtgaagctc cttcttccaa ggcttattcc ctagtggatg 300
 gcgcgcgttc ttacctcttc tcctttgtct tccgctgcat ctccatgggtg aaaaatcacc 360
 attaaaggac ctcatgaag ctcanagatt cagcctccat agaagctcca caagcaagct 420
 tccatcaagt ggtaatcaga gcacaagagc ttcaagtagg tgctccttan acctccatt 479

<210> 8497
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8497

agcttgatgt gtttggtgaa gctaataaaa ttatgctcaa tattgaggta acaactttcc 60
 atttgaggta ttntatgctt ttcttctctg atatatctga agccaccag aatgaacagt 120
 ttcacttttg agtctgattg gttcttttctg tgcaaaactcg gttccatggc caagataatg 180
 tctaccaggc atttctagcc atattgaaga tgcacaaaga cggaaacagg actccctgct 240
 agcttacgag gaggttagcc taatatttta tggcagtttt atattgggtcc ttctattttt 300
 cttacacttc ttttgggaaa ctcatttaat tatttattga acttc 345

<210> 8498
 <211> 466
 <212> DNA
 <213> Glycine max

<400> 8498

tgaagtgaac acgatatgac ttttgtacaa cacacaaaaa ggatgcctga tagatcaaat 60
 atatgattct tgcctacgaa cttaatagga tatgattttt gtataggaat acggtgcgat 120
 aggatatgat ttttgtttgg ttaggaacgt aaagtaaaaa aaacctgata gaaaaaggat 180
 atgatctttg tataggaatg taatacgata tgatttttgt atagcaatgt aatacgatat 240
 gacaggatat gaattttatt tgctctagaa tacaggaacg tactaaaaga taaaagaaac 300
 ctactatgaa tagaacaagg aatgttaata gaaatacgag aactaataca aaatcatgag 360
 aaatagaaag gaacacctga ctcacacctt gtaattaaaa ttttacttaa ttatacgaat 420
 ggaatctgct cgtttcttaa acaataatat acgtatctat atatat 466

<210> 8499
 <211> 146
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8499

gtaactaact aactaaaaca actaacacta atatatagag tgactactca caaggaatgg 60
 atgggccttg attangctca tctaattctat ttaantaaac taactacaca acacaaaacc 120
 taaactcaac ccaattattc aagtga 146

<210> 8500
 <211> 90
 <212> DNA
 <213> Glycine max
 <400> 8500

atgatgatgc tcgtgatgtt tatgtgctga aatttatgat ggacacactg ctacagatga 60
 agggtagagt taacctacgg ctagaaagcg 90

<210> 8501
 <211> 347
 <212> DNA
 <213> Glycine max
 <400> 8501

agcttatata gaaagttcgt tcctaatttc tetattattg catcacctct caatgagata 60
 gagaagaaga atgtggcatt tacctgtggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaacagc ttactacggc acttggttcta tctcttcttg acttttctaa aacttttgag 180
 ctacaatgtg atgcttcttg agtgggagtt ggagctgttt tgttgcaagg tgggcaccct 240
 attgtcttat ttagtgaaaa acttcatggt gcgaccctta actactccac ctatgataaa 300
 gagctttatg ccttaataag agcactcaga acttggaac attacct 347

<210> 8502
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 8502

taagaggat gacggtgcta atggatgttt tccttgatat cttatggtag aaagattggt 60
 taagaaggag tgcccttttg atatcacctt ttgttgcaaa atgattctcc ttcttaataa 120
 tcttcttgga ggaatccttc tcctctcttt ccttcccctt ggcctctaaa gacaaggcct 180
 tactatcctt gcttttctag ttttcttcc ttatccctct tacctttcat agttagtcga 240
 tctttggcca cctgtgaagg tgtttgacga tgctacacat atacagtgcc aagatgggtg 300
 aggtgtattc cactcgatac gccatctgaa aagatcttca tataaatcga catggccttc 360
 ctagaagaat atgtcctgcc tc 382

<210> 8503
 <211> 168
 <212> DNA
 <213> Glycine max

<400> 8503

agcttgactt ggcgatttga ttataccctt atttttactt tagttattag ccaattcaat 60
 taagaatgag acatcccaaa gagaaaatgt ccgattgatt tttgtgcttc atcttactaa 120
 aagatatatc ttcttataat tatattatta ttatacctct ttttttta 168

<210> 8504
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8504

cttcgtctta cagacagcaa caaataatgg ttatactgtt ctccactcga gtatttccgc 60
cagtcagcgt gactcanatg tgagtatgac agatcttgtg agcgcggaag atgacgtaaa 120
tctccgcgtg ccaacgggct tgtcggctga gattgacgaa gggcgcaaaa gacgacgtta 180
gtctttgctg gctatcaggc ttttcgtctt acagacagca ccaaataatg tttatacggg 240
tgaccactcg ggtatttccg cctgtcagcg ggacttaa at gtcagtatta cagatcttgt 300
gagcgcggaa tatgacgtcc atctccgcgt gtcaaccggc tc 342

<210> 8505
<211> 313
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8505

agcttcggta ttcaatntcg atcgtctcga tgtattacgt gactcaatca gacatctgag 60
taaaaacggt attgtcgctt ggaattgctg aaagcttcaa cattcaatgt cgagcatctc 120
gatatatctt gggactcaat cagacatccg agtaaaaagt tattgtcgta tggaatttct 180
gagagcttca acattcaatt tcgagcgtct cgatgtatta tgggactcta tcagacatct 240
gagtaaagaa gttattgtcg ttggatatgt gccagagctt caacactcaa tttcgagcgt 300
cttgatgtat tac 313

<210> 8506
<211> 436
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8506

tgcatttgga attgcgaaag ccccnctcca tcattatgta ttgttctctg tatctcanac 60
aaacaaatca aacgtaacaa gacaattata gttgctgttt gaatacctca cccactcaag 120
tgtatcacac aattatgggt gttctctaat gaaacactct tgccttttac cactctaatt 180
ccncttgagt tcttaggcaa ttcaagagat tatggccaca acaaagaaca attcaccaat 240
atgtgtaacg taaggctaga gagacaagga aaaggttaac caagataaag gctaacaatg 300
tttttacgca caaatgaagg aaataaaatt cagaatttag gaattcaagt aacaatcctt 360

catgcaacca atatattacc ttacagagat tttnttatta aagatcttca agcatgaacc 420
attcagccca atttta 436

<210> 8507
<211> 268
<212> DNA
<213> Glycine max

<400> 8507

aaacatgctc tatattcatc tccactcca aggaaggcct cggatcattc ttttccttta 60
atggaggaat gctgagttta ataccatcaa ttcggttttg tctaagaaca ccatcattcc 120
cttcttctct cttttcttct tcattatgat ctctattctc catttgaacc aacctctcat 180
ggagcgcac atctcgttgt ttcataagacc tctccaaatg ttgcatcata acttgcattt 240
ggaatcgga aaaccctct ccatcatt 268

<210> 8508
<211> 518
<212> DNA
<213> Glycine max

<400> 8508

ccgtgtgcat ctgtcctacg aacagaacac taagccttac tcgatgtgcg gcgtgcgcat 60
accacataga tactctgcat atttaacaga cgacgctctc cacagagcca tatggtgatg 120
acgtcttcac tatcgtgtaa cactgcggcg caagacagta ttgagatata ttgaagaacg 180
tcaactgcaa ttctccagaa attcacacgg atttaagtgt gaactagcat gtaagaccct 240
cgcgcatata atatgcagac tcttacaata ggagccgcta tgttcctaata aacactatca 300
ggttatgact cttaatgtcg caggccaaat cacgcacctg acttatgtcg aggctggcag 360
tctaacaccg agaactctct agagatctca atagtattag cgtgcaactc cgatgtgcgc 420
ttcgagccca tggaacctca ccatcccaca ggattgcgac cgatgctcta agacaatata 480
tggtctctct ttcacatgat ggccacaaag cctgtgcg 518

<210> 8509
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8509

agctntgatg ttgttattgc aggcaatata acatatagaa acagcttatg ctttcgttgg 60
agagagctct gcaaccaaata cttttataga gaacatggaa gaacaataata ttatatgcaa 120
aggggaggga cttgtgaagg gagttaggat agggatataat cacacagaga gtttctattc 180
tttggtctct attgtatggg ttggagttgt tgtggttaga gccgaaagag caacccata 240
agacataatg actgtctgta tgagtattct ctctggtgcc atgtaaggaa gacatcacct 300
tcacgattgt ttagaatgga gaaaatgggt aataattaat aactaagtaa caatagtctc 360
cttgtgaatt gcatactctc cacttacgca tcaccagaca tgttnaatat t 411

<210> 8510
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8510

agctttctcca nagaacacag gatcatcata atactgcagg atatccacag gaaccttggt 60
cttccccacc aggaagcttt tgaaacatgt ttgagatact tgttgacctca taaacctgt 120
taggacctca gccactaaat caaagagaaa agggggccaaa ggatctcctt gtcgcagccc 180
tctttgaggt ttaaactctg aagtagggct tccattaaca agaataagata tggaagctga 240
agagaacagg cttttatcca tctaatacat ctctcatgag acccattct cttcatatat 300
aatgagaaa tt 312

<210> 8511
<211> 294
<212> DNA
<213> Glycine max

<400> 8511

tcttgaacct tcaccgcgca ctctttcata atacggagac tcttgacacc catcaagtgt 60
acctctttct atgtctctg gacatgaata cgcttggttg gtttgacca accacgcgga 120
tatgaatgga aggttcttg ccacttcatt ggctctttaa agtcgcatac ttcactatat 180
tattgctcgt atcttactcc ccagatcttc aaaccttgca cacgtttctg aagaagatct 240

tatagtcatg tgggcctttc atatcgaccg accaagcgat tgggccactt aacc 294

<210> 8512
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 8512

agcttgccga tatagcagag cttgctgtga gagagtatcc aagtgagcgt ccacctatgt 60
 cagatatagc atcttggttg gagcaaactg tgaaggacgg attgatctta tagcattaat 120
 cattgccctg tgagaaactt gtttcgaatt ttgatccatc cacaatatct tctttttcat 180
 aaattttctgt gagtaatgct ctcttctgcg attgtaaaat gttttgagtt tgttgtaaatt 240
 tgcttatctc ctttgtagta gttctttggg tttacttttc ctaatcttca cgaagtgaag 300
 gacatggcat tattgcaaca tacacacatt gctgtgaatt tttttcctct catataagcc 360
 taagaccatt ttcagcatac agatagaatc aattacatgt caaca 405

<210> 8513
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 8513

tctctagcgt ggcgtgcgta tgatgatcta cttcagatga attatactct ggcgctgatc 60
 gaagctgtgc tattagatgc tgagcaaaaa agatcgcaca acaatgcggt gcatgaatgg 120
 ctgagatata cacagcatgt gttccgcgat gcccaaaaca tattccacga ttttgagtgt 180
 gaagcattgc acaaccgcgt tgtcgacact cacggtagca tttcagagaa cgcgcccggg 240
 cttgactaat aacactatca tttatcgctt tacaatgacg catgagatac aagacattaa 300
 catgaggctg aggaatgtcg catatgatag attcgcattt gttggccttg acatcattgg 360
 tggtgataca cgtgt 375

<210> 8514
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8514

ttgagcaatt canatgggtca taaatagtca ctcgagggtc ctattcacgc acataattta 60
 tctgagacgct ctaaattgaa caacggaagc tctcataaaa tttaaattgct cataactttt 120
 aactcggagg tccgattcag gctgataata tatcgagacg ctccaaattg aacaatggaa 180
 gctgttgagc aattcaaattg gtcataaata gtcactcgga ggtccgattc aggcgcataa 240
 tttatcgaga cgctctaaat tgaacaacgg aagctctcaa gaaattcaaa tggtcataac 300
 ttttaactcg gaggtccgac tcacgcgcac aatatatcga gacgcccga attgaacaac 360
 ggaagctctc gagcaattca tatggtcata acttttaact cggagggtccg attcaggcgc 420
 ataatatatc gagacgctcg aaattgaaca acggaagctc tcg 463

<210> 8515
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8515

ctcaatagtg taatgggttg acacatcaca aatgatagta ccactttggt accatattac 60
 aattagagtt ttaagtacaa taagaaaaga aaagagacga aaataactaag aaattgatat 120
 tgacttgaca tgatgtgatt tgctaaaatg tgtggatatg atatataaaa tcaaaagcat 180
 caaccctttt taaggaaaaa aatcataaaa tattagaaaa catttaaaact aagaaaatag 240
 aagataataa ggaaataaag aaactaatcc taaataccaa ttaaaatgct ctatgatatg 300
 acaaagatna ctatggatat ttcatatac ttaccaant attagtctat gtaaagcaag 360
 aatcat 366

<210> 8516
 <211> 493
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8516

aaggtagtca tacctcacia tatatatata tgtatgttta ttagaaaga taccttggat 60
 atgcatgtat gtaacaaaaa atatacttca caaaatatat atatgtatgt ttaggttagga 120
 agatacctta gatatgcatg catgtaaaca aaaaatatac ttcacaaaat atatatttgt 180

atgttttaggt aggaagatac cttagatatg catgtatgta aacaaaaaca tacttcacaa 240
aatatatata tgtatgttta ggtaggaaga taccttagat atgcatgtat gtaaacaaaa 300
aatatacttc acaaaatata tatatatata tatatatata tatatatata tatatatata 360
tatatatata tatatatatg tgtgtgtagg gacgaagata ccttatatat gcatgtgtgt 420
aaacaaanan atacttcaca aaatatatat atgtatgttt aggtacgaag ataccttata 480
tatgcatgta tgg 493

<210> 8517
<211> 352
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8517

gcttatgcg atacttcttt acgaacgttc acttgacaaa gacattctta taactaagaa 60
aaatgcaccc atgtacaatc aaggcacctt cgttacctag attatattata tgtacttcca 120
aggtgtatgt gttacctaca tctcatgcac ttccttggtt aaattttacat acatgcgtac 180
tcaaagcatt tggggtacca aaaattgcac atgtgcacat tccggtatgt ctaatactta 240
tgcatatata aactttgtga tgaatcttgg ctatctacac aataagggtga tacatttcat 300
gctntattca agtgggtttt ctacctaaag ccgcatgcaa attcaagtat ag 352

<210> 8518
<211> 476
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8518

actaagcttg caactcttac aacanagatc gatcattntg aagtaattca cttagtatat 60
ataatttgtg caagttgttg ttgttggtgt tgtgcaattt gtccttcgtg caatctccat 120
tatgatgttt cacatcagat tctaaaactc aactttcaac aaaaaaaaag catctccaaa 180
tgttttcaac ttcattcgtg taacgaaccc tcagtaattg tgattcatat ggaagatgag 240
atgttgccct atgtacaaaa ttgatactac aaactcaaag caagtaatcc tgatgtagtt 300
tctgctacaa cttcattctg attctggctn ttcatagtag tctctaattg ttcctcttag 360

agagaccttc ttaatgtctt tgatactctt tcaaaaagag aaattggggg agtcgccact 420
aacatttatt taagacaaac atatggaaaa caaacaataa ataacgaatg atctac 476

<210> 8519
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8519

acgtgatagt tgcnttggtt ttctttatgt tgtaattgag attgagtcta gatttgcatt 60
taccaaaagc actttgtgtg aatgtaagaa tgtatttggc ttctcttaaa ttttttattt 120
gttattctgg caaatgttag ttattagttt gtgagttctc tcacttcatt tcttccttta 180
atcaccaaac caaccttata acttctttgg tttctcttag ttattaacaa gaaaatcaat 240
tattgatatt tgaacatggt catgatttgt tatgcatata cacataacat tatgagctct 300
ttgantttnt aattaatgac tgagataact taatttacc tttagagtga attgctcact 360
acaaaggagc tagatcttgt anggaatgaa gctntangtc tatacactgg tttttaattt 420
tactttctgt ataacaatca tg 442

<210> 8520
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8520

tctagggatt aaacataatt aagggtattg aaaaacaaat atttaacaga aacattgtat 60
gattcttttt cttgggaatt ccaacggcat gaatgagttg ataattgggt gattttgatc 120
cacaggtcac tcaattgaga tttgaagcca aggctccaat tatgtggtaa attatgacta 180
ttattgttgg caacaccta aggacatgac aacttcacga cgagcattta agatagatag 240
aacaatcttg gttcagatct ggctggagag actgcagcag ccatggtagt tacttccatt 300
gtgttaagga aaaccaaccc acattactct cacttgcttc tacaccagge catgcaagtg 360
agtcattact caatgctttg tgtcctagag atcacaattg aatgcactat tatactntga 420
attaaaaata aaatagatta gtactgcagg tataattcaa tctacgtata gtatatatat 480

actact

486

<210> 8521

<211> 299

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8521

ctacttgatc cacatgggct ctattgtgct tggtactcgg tcacgggtaa gagggccgtg 60

aaagaaagga ttataggctc acagagtgtt tgagggttat attgagtaaa aacctcaaga 120

gcattgctcg tacctttggg ttggactcta ttccttttgt cttatacatt aatcttccat 180

cgcacttttg tgcctttctt gcaaaaaatg aagatctttt gcctctcttt ctcttcactc 240

gcctnttgca gatangattt attatgtttt ttattgctac ccaacttcat gcatgtgtt 299

<210> 8522

<211> 379

<212> DNA

<213> Glycine max

<400> 8522

atcttaagtc acctgcggca tgcagcttaa catttcaatt cgtgcgtctc gtatgttact 60

ggactcaatc agacatccga gtaaaaagtt atggtcgttt gtattggctc acagcttcaa 120

cattcaattt caagcgtctc gatatgttac gggactcaat cagacatccg agtaaaaagt 180

tatggtcgct tgaattggct gagagcttca acattcaatt tccagcgtct cgatatgtta 240

cgggactcaa tcagacatcc gagtaaaaag atatggtcgt ttgaattggc tcagagattc 300

aacattcaat ctccagcgtc tcgatatgtt acgggactca atcagacatc cgagtaaaaa 360

gttatggtcg tttgtattg 379

<210> 8523

<211> 469

<212> DNA

<213> Glycine max

<400> 8523

agctgacctt ctggctctcc tcatagttgt ggcatgagat ttcatgctct attttcatct 60

cccagtcgga gtaggcctcc ggatcattct ttcctttaaa tggaggaatg ctgagtttaa 120
taccatcaat tcgggtttgt ctaggaacac catcatcccc tcttctctc tttcttctt 180
gattatgac tctattctac atttgatcca acctctcatg gagcgcatca cctcgttgct 240
tcattaacct ctccatattg tgcacacag ctgcattcg gaattgcgaa agccccactc 300
catcatcatg attagtagct gacatctcat acaaacacat caaacgtcac aagacaatta 360
tagttgctgt ttaataacct acgcactcac gtgatcacac aattatggct cttctcta 420
gaaacactct agcctcttac cactctaact tcccttgagt tcttacgca 469

<210> 8524
<211> 271
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8524

agtgaacttt atagcggggg tgatcacaga atggaaggat attccagttg agcttttgat 60
gcagattttg tcaacttggtg atgatcaaac ggttatgata gcttctgaag tttgtcgtgg 120
gtggagagag gcaatttgct ttggcctgac tcggttatca ctctcatggn acatcatctg 180
tttttttacc ttcccttcta atgctttatt tcaactttga gggtattatg cttgtggagg 240
cagtgaatat tgaaaagggt gatttttttt t 271

<210> 8525
<211> 474
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8525

gaagaagaag aagttcaaag agattcttgg cttgtaaagg attgtaatga attgattgga 60
tagaaagatt ctttataaga ttgaatgaat aattgaatcc aaaacaaagc ctgcgtttta 120
tagactcttc atgtctggtc aagaggacca ttttgaagag ttataacttt tagaaaaact 180
tacaaccaat ttgaaaaagt cgtaacccat ttgaagagtt acatcttttg atttattcag 240
aaacaatcac tgataatcga ttaccaaaac agtgtaattg attacacaaa gcttttatgt 300
gaaaggatgt gactcttcac atttgaattt gaatttcaac gctcaaaggc actggtaatc 360

gattaccaaa acattgtaat cgattacaaa tttctgaaat caattggaac gttgtaaatt 420

catttgaaaa ctttttcaca tccattntgc tacaggtaat cgattactat agag 474

<210> 8526
<211> 407
<212> DNA
<213> Glycine max

<400> 8526

gcaagcttgg cttctacttt tattgccgac gttttatgat gtatacaaac atgccactca 60

actttatcat ataacattca taaaactaat atatatatat atatatatat atgcttggcc 120

aacatacacg cctgggtcacg aaattacagt gctttaattt ggaagagagg attgaaatta 180

attcaggatg tgaattgcga aatatagaaa taaactaatc agcgtgcaac aaccggggttt 240

accttggctg agcaattact tgtgtgagca ttataaattc tcttacactt actttaattc 300

ttatgggaaa agaaactaat ctatccacaa gtaagtcatt gatttgaatg tattacattc 360

gaacttttag tgactatttg gattccaatc tgaaaaaatg tgacgat 407

<210> 8527
<211> 475
<212> DNA
<213> Glycine max

<400> 8527

gtaatcttca ttacctaatg gtttattatg ctcccatttt ggactatatg tcatcaaaga 60

ctaaaatttg tgctataaag gcatgcatat ctatgaggac agaatggaat atccaacaat 120

cgctactatc tctgtagata aatgaaacgg aagctacatt tatttctggg ggcctgaaca 180

tgctagtaag taattccatt gagatctgac cactatatac atctttaatg agatatatcc 240

accaataccg gagagaatca gtctatgaag aataatatta ccatgatgca atacaacaaa 300

gtagaagaac tggccataac ttcattcgtg ctaaattaat taaaccaa atacatatttaa 360

tgggtataac ttaattgaca atactagata gagctcgcg gaaaaaaact accatacatt 420

tccataaata cattcttgtg aagggatgaa acatgttaag atgtgcgact aagat 475

<210> 8528
<211> 342
<212> DNA

<213> Glycine max

<400> 8528

cttatctctc acatggattt cggttttctg ataaagaaaa aactaaccct ccctttggaa 60
ggaaagttgt ggtattatga ggaagattta gaaaaatact tccaatcatt ccaaaagaaa 120
gaagataagg tggtgttcat gctagcatta attcataata atctttgcct ttatgtaagg 180
ttcttacttt aacaaaaaat atgagtcttc aatcaaggtc ttctaataaa catgtttctt 240
aattgaaaga atttgtaaata tgggtgtgga tattggaatg aaactattgg tgagattcat 300
gacaaagaaa atgccattga cattccatct tatatgctta tt 342

<210> 8529

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8529

agcttcttta agaagattcc taaagaagct tgagcttagc tacacatacc tctctaataag 60
ctaagctcac ctctcgaga tgagaagcta gagcttagct acacaccacc tataataagct 120
aagctcacc ccatgacaaa aaacatgaaa atacaaaaaa agtccttact acaaagacta 180
ctcanaatgc cccgaaatac aaggctaaaa ccctatacta ctagaatggc caaaatacaa 240
ggcccagacg aaggaaatgc ctattctaata atttacaag ataagcgagc tcatacttag 300
cccatgagct cgaaatctac cctaaggctc atgagaaccc tagggccttc ccttggatct 360
ctagccaatc tacttggagt cttctaccca atgcccttgc ggggtaggat ggcattcattt 420
ggcacataac taanatttca t 441

<210> 8530

<211> 317

<212> DNA

<213> Glycine max

<400> 8530

cactttcttg tgtacaacgc gagctctgac cactgtcctt gctttccgcg gcgctgtttt 60
tcatgtccgc ctgagtgggc ttatatacta aaccatactc tccacgagtt ccttggggtt 120
ttatcacgct agttatgccg ccattgtctt tgccataaac catcccggtt tcataacccg 180

ttcccaacat aactcgggcc atcattaccg cgcgcatcgga cagacaaggc tgtcccaaga 240
 gggagtgccac cgaggaaatg ctgaccacct caaaagactg gagagcgggt tctaacgatt 300
 cttctgcggc ttccaca 317

<210> 8531
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8531

agctttcttg ctctctttgg tctccatcta ccttgaagnt gnatgttctc catctaacca 60
 tcattttgtc taaggctgag catcgtgttc gtcgcactcg agcatcgta gaagtctgtg 120
 cttcttctcc ttcgccacct caggtaggta tgtttggtct aatcctgtat gaagtattga 180
 ttgcattcat gtatcgaca cttagtgaac taaacatggc tagggatatc catatttaac 240
 tcgagcatcg tgacaac 257

<210> 8532
 <211> 395
 <212> DNA
 <213> Glycine max
 <400> 8532

cctgtattgg ccttacctga atctacaaag actatcttag tggaggcgga tgctatatga 60
 gtgggggtca gagccgatct cataccagat caccattgca tagcctttat aagtagaagc 120
 ttaaagtgtc agcaacaatc catgtcaacc tataagaagg aggtactacc tgtggtgctt 180
 gttgtacaaa agtagagaca ttacttatta cctaagcagt ctgtaatgaa aactgatcac 240
 acaagtctcc agtatattct tgaccagaga ctttccacag ctttccaaca catatgcgtg 300
 gtaaaaccta tggaatttga tttcattatt gaatacaagc acggaagtga gaaccaagct 360
 gctgatgcac tctcaagagt tgaatgtgct actat 395

<210> 8533
 <211> 413
 <212> DNA
 <213> Glycine max

tgcctttgaa tggatgcatg ttgagtgcctt tcctaattag atacagctgg cttgcttggt 240
 acctcagaaa gaaataattht angaagttaa atntcaaggt cacttgtcta tcttttgaag 300
 ttttaaattt aataatthtat gacttctgat cat 333

<210> 8536
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8536

ntanacttgt tcttacttga taatgggttat agacttatag ttataattnt taagcaacaa 60
 acaaaagaac tcatgtgaga attgactcat ggtcaagaag atgttctatt tattttaatt 120
 actatcaatt tagaatttat ggtgaaataa aaaaataaag caacctgtta aactcggtag 180
 aatgatagaa aatttagata atttatatgg catcttaagt atacatctta ttatcaccat 240
 tatataaaac aaataaataa aattaacaaa aggagaaaat aatttatctg ccaaccatgg 300
 attttttttt tatactttta tctaatacata aattaacata tacaataaaa ttgttgattn 360
 ttttatagta attatthttca agttatagtt atcataattn ttaattaact gatagtgtaa 420
 aattatatat taataaaata taaattaaat tcattaacaa aagaacatta taaagtgtct 480
 gtgcaaaatg aaatg 495

<210> 8537
 <211> 259
 <212> DNA
 <213> Glycine max
 <400> 8537

atataaactt cttcaaacaa atctctattc aaaaaagcat tattaacatc taattggaga 60
 agacactagt ttctaacagc aacaacacag agcaaaactc ttacagtggg aagcttggcc 120
 attggagaaa atgtatcaga gaaattgatt ccagcttatt gagtataccc tttggcaacc 180
 aatcgagctt tgtatctatc cacaaagcca tcattttata tttaacctta tacaccatc 240
 tacaaccata catgcttat 259

<210> 8538
 <211> 496

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8538

actaagctat cttgaactaa ccaagccctc tggatatggta atcgattaca aggaatagta 60
atcaattatc aaaccctaaa acatagttnt ttctataaaa acttactatt gtttactcat 120
aaaacctaca cactcattgt aactattatc aacaacaatt aaagatccaa aatagacatt 180
gaaaaacaag catcataaac ttcttaacta caatcatcaa gcacaatcaa aaatacaaaa 240
acaatcatca aaacacaaac aaagacaatc aacgacaatc attaatcttc aaacaacaat 300
taacatgact atcaaaacac aatcaaagac aatcattaag ccacaattaa taataaccat 360
cagaaacaaa ctcaaatata aagaaagaaa ataatcaacc gattttaacta tgtatctaag 420
tcattgctat ctaaaagtcc taattctctt ctaatagcaa agaagggttc tttggggaga 480
ggttctgtaa agatat 496

<210> 8539
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8539

gcttataact ctntcgaagc aatcctccaa cccttgecta tgaatcactc tgcttgcatg 60
agccttgta gagctctgta taacctgtgg gaataaacat gacaccaaca ttatgctgaa 120
gagaatattt atgaattagg tcctattttt gggtcattaaa caagaacaaa ggaacttaca 180
acttttcgaa caggcaagct tagcaaaatt cccctgagaa cagggtcagg gttcagcata 240
tcatatggca atctcccatg aacaaagctg ctcaacacac actatatact ttttggattt 300
cattatattt aacatgattt ctacgattaa aat 333

<210> 8540
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8540

atactcagct agaagaaata agactagtgg ctgaggatag atgattagta tctctggcgg 60
 ttttaagttat atgagtgaca acaactctgt acaatatnt gatgcacttc aagaacacac 120
 acttgagggt tttaatctaa taagaaagtt tgagacggaa ttcacctaaa cttaaanttt 180
 tataaaatgg atttatagaa ttattaattt gtgatatcga cgatactaaa agattatata 240
 tattacgata gaaaatgtta ttatattaat ttattgaaat gatagatttt gcttgtatgg 300
 ccgaagtat gccacaaat atatatttta gagaaaatta ttaatttttg aaagtttata 360
 tgtaacttga aaaacttagc caattgttat aatgtgaact tatgcttggg attcgactgg 420
 cgacgattgt tagtggagtc ggggactgta acttaccttc tagagcctat attattacca 480
 taactgtgat gtaatcatta ta 502

<210> 8541
 <211> 339
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8541

tcatccataa ccaatgcgta atccgaatcc actacactca attgaaatta gatcatttca 60
 gaccaatcaa catagttcaa cccactgaac tngattctta atttactaaa agcaaacata 120
 ttaagcatag ctgtatacac ttaaaccaac tcacatacct taatgctttg agaaaactta 180
 atggattcaa actacattaa ctctaatac gcatactaagt tcaccgttgg gtgataaata 240
 aacacatata catattaata atgatgcgaa ttaatatata ttaatgggaa ataaatcata 300
 ttattcttga catgcatgtt ttctctggaa acacataca 339

<210> 8542
 <211> 486
 <212> DNA
 <213> Glycine max
 <400> 8542

tatctctaga agacaaataa atgagtttct ttgtactctc aaattagttt atgcacttta 60
 tagaaactct cttctctcat atatagctcc tttaaagatg aacaaatttc taaaaattaa 120
 cttatataat ttatgtagaa actcttgatt cttctttttc ttaaagcgta tatgaaaaaa 180
 cttaccaaaa aagactctgt cattaagaaa aaattatgaa gcttatccgt tggttttgtt 240

ttattataag ctttttatct tcatgtgcgt tgttccctga ttcgtagtaa ttgctaattgt 300
 aacatgagtt taatggaaca tattgtcggg gtcaaattac agaataaaga aagtagaaaa 360
 tcataactaa taagactctt aaccagtaa ataaactaat cttatagctt gatttgtaat 420
 taaataatat tatacaacta ctttttagtta ttgatacata gcctatccta tcatcttaca 480
 tttcat 486

<210> 8543
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8543

gatatttctt gcacatcatt ttctttatct gataaccctt ggagttagta gggttgggtca 60
 caaacttcat ctacagcata aaagtcacct ggaattttat tagcaagttc atccactttt 120
 aatctgtatc ttgttgggtca acaactagca gccagtcctg aaataagata gaaatgagat 180
 atcttatggg agaaacanaa cacatatact ctatgtatta atacaaagat aaaaaagagt 240
 gtacaatcac tagttaatta agtgaatgcc taacaaaatg aacgctgctg aaggaaaaca 300
 acaatagnta ctagttagga attggtaatt 330

<210> 8544
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 8544

ctctgggttc tctgctaggg tttccaagtg ttaaagagta tgtaataaga tcgaagtctg 60
 cattccattg tgtgcatgcc atgagtatct ctcccttccc gaatattaat ttaaaaatcc 120
 cgacggtgaa gatgtggata aatgaattat gaacctggcg tccaagtttt acaaagatcc 180
 aacggttaac gagtctgaga ccgatgtttg attgtagttt tactggaata tgttgggtat 240
 atgtggcgga aaaagctacg gtgtgaatgg catttatctc acctgaaaca 290

<210> 8545
 <211> 342
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8545

gtcctgctta tattctaacc tggataactc tgnagatgca tggatcttca gacagactca 60
aacatatata tcatcatgat ataataatth gtgggcaaaa aactctgcgc acaaaagatt 120
aataaatata atggaacaca cataaattaa ctatactgcg aaaaaaaaaa aaaatacaga 180
aacatttaca ttatttagca ctttttagtt acattttatth atggaaatac accccaagac 240
agattactgc ttaacaggat tatttgthttg gttagttaac tcattaaatt atatataact 300
cataattatt tatttatcaa atattthntta tgttaaatca ac 342

<210> 8546

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8546

catagtctga catgaatatc taaatataaa gttatatcta ttaaagagtc cacataggth 60
acctcttgat ttgcaatcaa atgctctacc actaancgat aaaccctatt gatattthaa 120
tcatcgatga tatactagat ttgcaagcca gaaacaaaat tcattthttga gaagaagcct 180
attgtthccac gggaagthgt gcgtaaggcc atgatggaaa gcagthtgcaa acgthtcaagc 240
thgtthtatga ggaatctatg atccactgct gagctatgta tgaaccctatt tgatgththta 300
aatcaataa tattctattt aatgaaaatg ttactthtga aaagaaaaaa attaatacaa 360
agggcccaac cgggttcgaa ccggtgacct cthgatctgc agtcaaatgc tctaccactg 420
agctatggac ccaagthtact gtcagaggca gatttaacac atnatagtaa thgtccattg 480
thtatgg 486

<210> 8547

<211> 315

<212> DNA

<213> Glycine max

<400> 8547

gcttgtaatc gattacacat atactgtaat cgattaccat aagagaattt cagaaaatat 60

tctcaatagt cacatctttt tatttcattc ttaaattggcc atcaaaggct tatatatatg 120
 tgacttgaga cacgaatttg ctaagagttt ttaagaacaa aaagggtctta tcctcttaaa 180
 aagtaaaatc gttttatcct cttacaaatt ccttggccaa aacacttggtg attcaataag 240
 gaattatttg agtgctcaaa ttgttcaatc tatctctttc aagagagatt tcttcttctc 300
 ttcttcttta ttctg 315

<210> 8548
 <211> 487
 <212> DNA
 <213> Glycine max

<400> 8548

tctacacata cgagatattt cagctcaact taagaagcta aagggttgata tgtctgagtc 60
 cttcctagtg cactttattt tgaacaccct tccgcatgaa tatgggtcgt ttaagattct 120
 ctacaacaca cataaggata aatgggtctat caatgaatta atgatcatat atgttcagga 180
 agaagaaacg cttgtaatgg agatgggtga gagtgcattg ctgacaactg cttatgggaa 240
 gaacacagaa actaagtctc acgctaata gaaggggaaat ggtaaaatac cacctctcgc 300
 tgatattaag aagggtggcaa agtggttctt ttgcatgatg aacggacaca tgaagaagaa 360
 ttgtcccgga ttccataaat ggtctgagaa gaaagggtaa tcaatctcat tagtatgtta 420
 tgaatcta atgggttagtg ctaatattaa cactatgtgg atcgagtatg gatctactat 480
 tcatatc 487

<210> 8549
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8549

atgcattcgg gcacctactt tgaatctcct atgctatctc tacatatata aaacagtccc 60
 accattccaa tttcgcaaaa tcatattcat atatcattgg ggcatttcat cgagcacttg 120
 ggggggtgcac gtttggacac aaattgcaag agaatgggga caatgtggca taccctattg 180
 cttcagaata caacataggc ctaatgcatt ctcacacaaa ccttcaactc aacaaaacaa 240
 gcatggattc agatgcgaat tgcttcacga attntgcaaa aatgagcaa ctaaagcacc 300

aaaacacatc aatggagagc caaataacca agggaaatng cacttacttg tggggagtga 360
 attanagcgt ganaagggaa gcaaaactca acaatggaag c 401

<210> 8550
 <211> 322
 <212> DNA
 <213> Glycine max
 <400> 8550

tcggaacgaac gacatatctg gcgccaatga agacggagaa gatgatagaa aagcccgtgt 60
 tgtgactgcc attacaacta cagccaagtt gtccaccttc ccaacaatgt cattactcat 120
 ccaataacaa accttgtcct taccaccga ccagttatcc acacacgcca ttcctaaaat 180
 taaccacaca gcctacctac ctgcactttc aatgacagac accaccttta ggcttaacca 240
 acacacctcc caagaaacga attgtgtcgc gagaaatcct tataattcac cccaattcca 300
 gagtcctatg ctgacttgct cc 322

<210> 8551
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8551

catatgtata ttataaatc ttaaggcgaa atgcatacaa gaaaacagac gggatttgat 60
 tcttgtgatt aaccctgctt cccaagaaca cagccgtaaa ttcaggtgag caggttattt 120
 tctttaccat gaccatcggc aaacaacctg catgttccaa gacaaatatt atgggttcta 180
 ctctatttat caaacattaa gcacaaagca aatttaatat aaacaattaa aaagaaggat 240
 attcttgatg ataatacatg ggagaaacaa aactcatggt gtttctattg aggggtggaag 300
 acaatcatgc cnatttgatt tcatcacaca gatgcagggt cctagagcat gaaaatatgc 360
 caaaccatcc tttaatatca aagtggcact cttactgttc cttcagcaga gaagatatta 420
 cttagag 427

<210> 8552
 <211> 471
 <212> DNA

<213> Glycine max

<400> 8552

taaagtttgt aggcctgagg attctctatt atctctctca cacgcacata tataatagtt 60
ctatatataa taatatattc atgctgatag gctcgttggc gtatttgact tcgacaagtt 120
tcttcgcttg tttataaacc ttaattcaaa atagacttat tataaataga cttttgtgac 180
aaatctaact cttaacaac tcagactaga cttaacaaat caataaatag tttctttgag 240
taatattaga ttctattctt ttaagtaaga ttttatattt aagttttatt gatagaaaaa 300
tatgattgga agaaaaaatc tcattaaaaa tagctcatta ggttccttga tagagattaa 360
ttatcgacaa aactaataaa tactctattc caatagcata attaagaaaa ataaattaaa 420
cttaacaagg atatataata ggcaaagtag ttacgctaga ctttgtaatt a 471

<210> 8553

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8553

agctttaagt aaagagacaa aatgctatat agattttaaa tatgagaaat atataatcat 60
ttatatcaaa agatgcatga gagttaagaa atgattacat ttatccctta caacaagaga 120
acttagtcac tcatgacaat aagcgacatg ggattatcca tgggtggggaa gaagatggat 180
gaagaaaaca caaaaacagt acaaaagttg caaactgtta caatgatgaa agcaaaaggg 240
agggagaatc tatctatatt cacgggtag acctanaaat acataaacia catttccatt 300
tcaagtgtaa atccactcag ccatganatt ttggcttgac catatgccag tttttattct 360
tccagaattt tgttgaccaa gttgatccgt ttgaagattc aacacatcat agttgctcgc 420
caagataaat tctccatctt ca 442

<210> 8554

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8554

tgtcctnctt tcatgggtcta cctaatacgt tntcatgttc cactaattca gcattcaatc 60
 cctccaagac cacctnccaa tcatntctg gttgctgac caacccttca actagaacca 120
 acacctttac gtcacagtac ttgcattcgt aaaccacaag aaaagtatgg tttttcgaac 180
 ctttatcttt gacaacaact ttacatata ttctattac ttcttcatat aaataggcaa 240
 tggagcataa atgttggtgg gatgctatta aaactaaaat tcttgacta gagaaaaatc 300
 agacatggga cattgttcca tgtcctccat cggttaaacc tcttggcagt aaatttgtat 360
 tcactatana gctgcattca gatggatcaa catattgata caaggctaga tcggcttggt 420
 cttggaaata 430

<210> 8555
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8555

tctgtctact gactatcaat tctaatingca agntcacatt cttgttcttt ctttgtctaa 60
 catacacact tgttcaaact catgaaaagg aacacaaaact ccatcacaat catccattca 120
 attcaaaaata aaagcataca accattttca caaatcaata aaagtgttc actgccatgt 180
 catcaaaatc aagccaaaact gttccatatg cttcagaata agcaaaccac ctacccaaaa 240
 ataaaactag cagtgtatat aaacataaaa gagatactgt actanaacca taattaaaat 300
 aataataaa 309

<210> 8556
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 8556

tgagacagag ggagagagag ctgtctgaaa tctttgggct gattgaggag agagaatacc 60
 gctttttggc tttaaataaa ggagtttctc tttttctatt attatattta agctatgcca 120
 catgtctgca tctgagcgga gcgaagaggg cccactttct cttttgattg tgaccatac 180
 tcagccactg aaagtgagaa aagtctgacc tttgaaacgc taaaatccta gctcagattg 240
 catgccgttt ctctgattac aactactcgc gtatctctac gttcgtcggg gccagctttc 300

taaagttagc actatatata tcataacgct cagaattaaa ccccgagcgt ggctcatagg 360
atgggtttcgt taaatatata gtcgcgcgcga caatgatgat gctacactat tactta 416

<210> 8557
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8557

agcttccaag aatcaagatc aagattcaag actcttttatt caagaatcaa gagaagactt 60
aaacaagata agtatgaaaa agtttttttca aaaattgagt agcacatgga tttttctcaa 120
aacatgttta ccaaagagtt tttactctct ggtaatccat taccagatta ttgttatcga 180
ttaccagtat gcaaaatggg tttcaaaaag ctttcaactg aatttacaac gttccaattg 240
atttcaaaaa gttgtaatcg attacaatgt tttggtaatc gattactagt gtacttgaac 300
gttgaaattc aaattcaaat gtgaagagtc acattctttt taaaaaagc ttt 353

<210> 8558
<211> 620
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8558

cttcacttcg cattctctct actcctaccn tantcttcng tnttgatatn atttttatct 60
ttnnnnnnna aggccccacg gtgttgcttt cgtggccgct gcatatacga gacactatac 120
aaaactcang cttaataat aatggcctcc accacactct atttccttta agatattcta 180
taacacagcc tcctaattct tatggagagg agtaccactt cttgcagacc cgcagtctaa 240
ttctcattga cgccatcaac ttaaacattt tggaaccat ccaaagtgga ctttatgctc 300
ccaccatggc ggctggtaat acaacaatac acaaaccctc agaagagtgt gctctagaac 360
aacgaagaat agtgccgtac gatttaaagg ctacaaacat catttcattt gctacgaatg 420
gatgaatatt ttatggtgac aaattgtaag agagataaag atatgtggga cactcttcaa 480
tctacacatt aggaacaat cgaggccac agaactatga taaatactct aactcatgag 540
tgaattatth acgatgacca caattgacag tgtaccatat atgcccata gatttacaca 600

tatctcttat cttcttgccg

620

<210> 8559

<211> 256

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8559

gcttatagtc attacttggt gagaacctta agccatagtc tattgtttca tttatatagt 60

ggagaatatc atttgtggcc ttgagatagt agtgggcgga gtctccattt tttggccttt 120

gatataaaat gtttggctct atgcacatca aatatcacia actaccacc aaactcttga 180

aattttagtc atccacctt tatgcttcgt caaactatga taacttcatt ntgcactcca 240

ccggagtctt aattgg 256

<210> 8560

<211> 481

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8560

tcgattacat agttatTTTT gagacaatga ctgatttatt caggagtctc tgccttaatc 60

aattaccatg tgatataatc gattacttct cttctataa gtgtttcaga agtaaacaag 120

aacactttta tcgattactt tgagtatcta atcaattata ttgttcttga gctgtttcta 180

gtttcttggga agaacacttt aatcgattaa aaagataatc taatcgatta cttgtagat 240

ttaatcgatt acaagcgggt ataaatgttt tctctataaa taaccacctc gtgttctctc 300

taataacacc acattttgag cttctgaatg agctaggatc acgtgctgtt attagttcaa 360

gaaagaagag aagaanagtg cttagaaact gtgactcaca acttctatgc tntgattatg 420

aagatcttnt tgtcatatcgt gagttgtgct actttcttga gttcaagaag acacctcatt 480

t 481

<210> 8561

<211> 150

<212> DNA

<213> Glycine max

<400> 8561

ctgatgatgc ggcaactaac attaatatcc aaggtattat ataaaatgaa tatatatata 60
tagatagata gatatttcca ctaattccta gaagtggaat gttgtacaca cctgtggggt 120
aacctctaca ttgttctggg cactcttgac 150

<210> 8562

<211> 461

<212> DNA

<213> Glycine max

<400> 8562

tcttatccaa ggctcatctt ggtggggaag ctcccttcttc cttaatgtat ggcgccctcct 60
ctcacctctt ttcctttgtc ttacgctgca tctccatgga ggaaaatcac cattaaagga 120
ccccattgaa gctcaaagat ccagcctcca tagaagcccc acaagcaagt tttttgcaat 180
ctccttcaag aaaagagagt tatatttccg acatacttgg tgagtattta agaaatattg 240
taaattatcc tattgtgtaa gattaagatc attgtagtcc tacttcatag cggagatatt 300
attctagact cgggtccata attccttatct ttcatactga ggggggtttgc cagcgtaaaa 360
tttcttgggtg ctgatctttg tctcttactc tcttaatata ttttactttc tgctcatctt 420
aatcacatat agaggagaat ttatttttgc tatctcctaa c 461

<210> 8563

<211> 341

<212> DNA

<213> Glycine max

<400> 8563

acatgacaat ggatgacaga tgatattaaa ttcaatcata gaagaacagg taattctata 60
tatgctaaat tagaagttat taccatact cacaatgggt attactatac taatcacagg 120
tattcagctg attgaaaagg aaacaatcca tctatgcttg actgaaattg aaaatatgct 180
gcaagccaac agaaaaagcc tatgagattt tcctttgatg ccatacccaa taagatatgc 240
aggcaacca caccataata agctcatcta caatgaaatg gcatatgaca aacaaatact 300
ggtggcagaa attaacagat cctaccattc attgacaagt a 341

<210> 8564
 <211> 495
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8564

tccttgagaa aattccttaa gaagctntct tgagaagctn tcttgagaaa cttacttggg 60
 aagcttcttt gagaagcttt cttgagaaac tagagcttag ctacacacac ccctctaata 120
 actaagctca cctccttgag aagcttcctt gagaagcttc cttgagaagc tagagcttag 180
 ctacacacac ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc 240
 tacacacccc tataatagct aagctcacc catgccaaaa atacatgaaa atacaaaaaa 300
 aaagtccgca ctacaaagac tactcanaag gccctgaaat acaaggctaa aaccctatac 360
 tactagaatg gtcaaaatac aaggaatgaa gcccatcac cttgatccac caaagccttt 420
 tctttctgct cccaagttct tcttgggatt ccgaccaccc catttctatt tggtttactc 480
 ggccaattct tgact 495

<210> 8565
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8565

actttctctt acctggatac atttattata ttttttttat tgggtgcaaaa tattcattta 60
 aatgattttt ggcagaaaat ttggcttccg atcacttttt gttttatcaa aagaccttgt 120
 ttctgatagc ttacttaaaa gtaccctaat cccatttcat ttgaaaataa tggatatctaa 180
 tacctccttt gaaatattac tctcttttaa gaaaaattaa ttaagtactc tcagatatat 240
 cagaatgggg agcctcatgg agtacgaaat ttnttatcaa aaaattactt aaatagtttt 300
 attatgtttg gagaaaatac aatattcttg tcaccacatt agtatttaat tccagatttt 360
 catga 365

<210> 8566
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 8566

tactcaagct tgcacatata ctgtctgtta aagggtttca atatctaaca ttgtcttctt 60
tctgagtttc agatactgga aattcctcat tctgctctca gtcttgccgc tcttgccga 120
ggtatggta tttttcttct ctctcttctc tcgctggata ggggtccctt atttttattt 180
ttaatgcgaa agtggaattt attgcttctt ttttaataac catttgtttg atgttgtttt 240
aaaaggttct atttgaatgg gtgctaattg tgtgtggatt tcgttcccac ttttattgtg 300
cttatgtttt gttagaatcc cccaaccttg cgagctattt tttaatccct tgttatg 357

<210> 8567

<211> 364

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8567

agcttctaag gaagtattct caagaaagct tctcaaggat gctacctagt ctataaatag 60
aagcatgtgt aacacttggt gtaactttga tgaatgagag tcttggtgaga cacaactcaa 120
agttcaactt ctctcccttt ttcttcttc aatttcgtgc tccccctct ctctttctct 180
ccctctttct tttctccat tgaagcatcc tctccaagct tcttatccaa ggctcctctt 240
ggtggtgaag ctcttcttc catggcttat tccctagtgg atggcgccgc ctcttacctc 300
ttctnctttg tcttccgtg catctcgagg gtggaaaatc accattaaag gacctcattg 360
aagc 364

<210> 8568

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8568

agaccctgtt ggactttctc gggtcactg ggtgtcttgc atgcgcgac cctgcaaaca 60
atagatgaaa tcagaaatca gttgagcgat gtgcatactt acctatgatg acgtgacctt 120
gccggggggg tacgggcacc ctgtangact gataaaggcc cgtaaccaga gctggaaacc 180
ccagggccct gttggacttt tccgggtcca ctgggtgtct tgtgggtgcg atccctgcaa 240

acaatagatg gtatcagaaa tcagttgaac tatatgcata cttacccatg tcgggacgac 300
acagaccaac tgatactttc tcanggggag attggcatcg cggtcgctgg gcagaatatt 360
gctaagtagc aatgtcatct atgtaagagt ggcatgttg gtgcgcatga tccgcactcg 420
tc 422

<210> 8569
<211> 328
<212> DNA
<213> Glycine max

<400> 8569
gcttgcacgc aattcctgga ttcagatgtg atttattggt tcacttattg gatcatgcga 60
tcccttatga acttttcatc aactctaaac atcttggtga tccatttgag gcaaaactga 120
atcttcttat atgtgaaaac tctactctaa gtgtttcatc ttctctact ctatctaaag 180
attggatatac ttgccatcat gtataaatta attgtgtaga ttttaatttt cttggtacga 240
tttatagaca tgcatatagc taatgaatgt cattcaagta acaattgcaa aggtggtgtc 300
taattagtct acctcttgat ttagttct 328

<210> 8570
<211> 441
<212> DNA
<213> Glycine max

<400> 8570
ctcaagcttg tacaataatg gaatcaagat taacttgcc gtttttttca attatgttct 60
aagaaatgag acctaatcgc ttatgccata atgctcttga gtttgtatta tcaattctac 120
gcttacaacc acgcaattaa aggattcacc ataggaagct acagtatcat gtaaataatag 180
attatcgtaa accaagagtg aaccagttcc aacaatatct gaattaatag acaacatgaa 240
catattgttc tcaaatgaac acaataaacc caatttggtc aaataataaa ctgaaaccaa 300
atttcgtcta tatgacagca caacaaaagt gtctttcata tccaaataag aactactacg 360
tattaataat gtatagtgcc ctatagctgt cactttcacc gatttaccat ctccaacgta 420
cattcatctt tcagaatcaa t 441

<210> 8571
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8571

agcttgatgt cattcaaaca cactatgtta ccttatgaaa ctaaactgcc ttgttatgta 60
 ttgattcata tgcgatataa tttgtgtaac cggttactaa ccaattaata ttatcaagta 120
 ctcgttttggg taagcaagga aattagtggg ccaacaaaaa tcatttacgc gtgccgcaaa 180
 catcattatg ataattgaca acacataatg acatgcatgc gtattacagt ttgagcgcgga 240
 caacacattg gctgacttaa gtacacattg cggacaacac attggctgac ttgactacac 300
 atttacgcgt gtctatnttt ttgtaaacaa agtt 334

<210> 8572
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8572

cgcttgcctt agcacactnt acttncatct atttcagact atattattta tacgggttgg 60
 acaaaatggt tccgaagact aatatcatat tggtgattac cttgtatatg taacaattta 120
 ccttattatt gtggagtttg gcattgggtg cataaagggc tcgatgacat aaaatcactt 180
 tacaacatc ttctttctac tcatcacatc tacaacaaat agaacaatat atccctattt 240
 gctgatgagt acataatata ttgacttgt ttttgccaat atacggatga gttcatcaca 300
 tttttcttat ttggcatca aaatattatt atttaagata aaatatgtgt tacatgttat 360
 tctatatcat tatgtgatgt gtcggtttat gatataacta tgttcttcct actcgagata 420
 tactcatttt t 431

<210> 8573
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8573

agcttacagc aaatgataga atgtctatag ttttatcatt tgacaattta ttggtattat 60
atgtcttatac cttcatatat atagactctc ttttttcac tttttcaact gtgaattttt 120
acataattca taaattttat ttgatacctt gcatagcatt gcatttagca aatacaattt 180
aacatgcttg gtttataagt attgacacaa aaaaggctta tgaaaatacc ttgtattgca 240
tggtgctagg gcttattaaa aatatcaa atttttacat gtgtctgtga aatcagactt 300
attaatgatg cgataaatta tgtaactatc atgtctctcg ttgatgttgc taaaaaaatt 360
gtttaggaag tatanggatt aaaagtgc atttgcaaaaa gtttaaagat cgagaacata 420
attaacccat ttaaataatta tcaatanaat aacottaaat ttaaaatac 469

<210> 8574
<211> 394
<212> DNA
<213> Glycine max

<400> 8574

gagcttgaat aattgaggaa tagctcaacc catttacgtt ctttaggata ccattctcgt 60
gttccaactt acaagactat caactgtata tgcaaacaat aattttacag attctttcac 120
gattatttaa cgaattttacg gagcagaaca gatctgtggc acatcttcaa tataaatatt 180
atcaatgcct tgtccaaacc aaaattgaga tcgatggttt agctgacaaa ttcttcttct 240
gtttaaccta tgtttctgac tacaaaatgt gtatttggtg aagacctaac tatgaagctt 300
ccaatctatg ccgactttat agattttctca atataattat tatttcatat acaagcgata 360
ttcacgtggt tgagactagc tcacaactta gaga 394

<210> 8575
<211> 237
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8575

atcaatatct gaaaaatgaa attgttaatt tagaaatcta agtaaataatt gattcctaatt 60
tttttaaatg gtggaaagac ttggaagaca aaattgcatt aaaatagaac atgccaaaca 120
tatagtggga ctgagacaca ttagcagcgn ttcttcaact caaaaattat aagaatcaga 180
aagtaagagt atgttaagaa gtgtgtaaca tactctatac agctttgatc aaatgac 237

<210> 8576
 <211> 511
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8576

tcggacctat aaaactaagc tgggtatctc cttcttcact acatcaagaa tcaccggggtt 60
 gtgtcttctc tgtggctgtc ttactgggtt agctccatct tctaaattta ttcgatgcat 120
 acatgtggat gggctaatac caggaatgtc cgccagggtc cagcctatag ccttcttatg 180
 cttcttgaga actgacaaca acttctctc ttgctcatca gcaagggagg cagatataat 240
 cactggaaaa ctcttgctat catccaagta accgtatctt aaatttgatg gcagaggcctt 300
 caattctggg gtggctgggt ggacagtggg agaaggagat ggtttctcan cctttacctc 360
 ataaagaaag tcagagggtat gtgtacttcc tgaaacatgg ttagtcctat ctgactctat 420
 aanatcaatc tcaagaggta aaacaccacc accaggcatg caatcaatat cactctcaga 480
 ttcactctca gcatcaaagt cagacatatg a 511

<210> 8577
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8577

agctntacat tagaatttag taatgatcca ctaacctaga attaaaagaa cttaatacca 60
 ttaacctagg gaattaaaat aacttaatgg ctgagtgtaa ctgaaattat ggcaaccaa 120
 agtcaccccc aacagccatc aagtcagcca ccatttgggtc tcccaaaagg ctgatgccta 180
 gggtgccaat taggccctta ttacaagttg aactcaacct aactaaagcc cttttagttg 240
 attaaccaaa aacatatntt tggtcagcca actttaaagg attgggcat tatttataca 300
 aactaaacac tctaaaattg agacaaagtg gtgacattta gtcctcctcc atttgcacca 360
 tgatacaact cacaaccttg gacttttctc cttgaaactt gggcttgtat tcaaatagta 420
 tggacaacac 430

<210> 8578
 <211> 505
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8578

tattaggacc tataaaactc agcttggtat tgctgcattc tactaatata tggaattgcc 60
 cactgctttg cctgagaata acaattgctt gaccacaaca gcgctggagg cggcaaggga 120
 caatggtctt tcaaataaac ctattgtaca cgaacaaaca ttatatcatg cgttgaccgt 180
 gccaaacgaa ccagcgaagt cattgcataa ttgttatact aactatattc aatgtacctg 240
 aacaaaatga tttccaaaca tgtgaccgac acatatgatg cgggtggccag aagaatcang 300
 tgggtggttga cttctaagag ggaaaaatgt catgctttgt tgtcgggaca acgatacaac 360
 gattacgtta taccgtgaag caatcacata tcccatgtcc gttatatnca tccacttgtc 420
 cacactaacc tgaatgaacc aaacatacac atgtaagtaa tttaaacatt gttattaaaa 480
 aaacataacc taanaacata ctttt 505

<210> 8579
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8579

ttaagtcacc tgcggctgca gcttaaaatt gaataaaacg ttcagaaact gctggtaatc 60
 gattaccata tatgtgtaat cgattacaca gtgcaaattt ttaattcaaa ttntaatagc 120
 ttgtgtaa at caattttggc cactggtaat tgattacatc ctctggtaat cgattaccag 180
 agagtaaatt tcttgtaaaa gactttttta cttaaatttc ttgaccaaac cttttgctac 240
 ttcaattgga attcccttcc tatttaatat accttctaag actctaaaga ctgtcttgat 300
 catccatctt gaatatctnt aatttctttg tcttgaataa agctttgaga cgcattgtgat 360
 ccttttgc at catcaaaaca tcagcttgat ccttttgtct acacaacgac ccatgatggg 420
 ta 422

<210> 8580
 <211> 412

<212> DNA
<213> Glycine max

<400> 8580

ctataaaact cagcttgtga atcgatacac taatttggta atcaatttcc agtgattgct 60
tctgaataaa atcacaagat gtcactcttc acatagttct tgactttctc aaattggctc 120
ttaagttttt ctaaaagtca taactcttct aatggttgcc ttgaccagac atgaagagtc 180
tataaaagca aggctttgtt ttgcatttca atcatcttga acatttcata caatccttta 240
caagccttga atctctttga acttcttctt cttcttttga ccacaagctc tccaaagttt 300
tctggttttc taaaccatga aaactcgtgc tattcatctt ttcattctct tctcctctg 360
ccaaaaagaa ttgcgcaagg actaaccgct tgaattcttc ttgtgtctct ct 412

<210> 8581
<211> 290
<212> DNA
<213> Glycine max

<400> 8581

agcttatcac cttgaagacc atgtttcttt ctgatttgtt gaaagacgat agcaaggcat 60
cagctgctac atatattcga ccgagaagga agaacagagc acccacatcc ctcaatgact 120
ttgtctgagc aagattgctg agctggataa cctgttctgc tgagctggac atctaaggat 180
ctgagccttg atcctgtctg ccattactac gaatattctg tcatttcttg taagactcga 240
catcatagaa atacaaattt tgttatttga atccattata aataccatct 290

<210> 8582
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8582

tcttctttcc actcttttca ttttcaaatt tcaaaacatt tccagttcaa attccaaatc 60
gcagtctaca gttcggctat gttgcaggct atgccattc tataatctga tatgattgat 120
tcacgttgac gaattattgt gattgagaga gcctatgaaa cattatgcaa tattgtcagt 180
aggtttcgat ttcacttcat ttctagaatc catttttttg cataaatcat aagctnttga 240

tttcacctca ttttctaaat tcaagtggat atactat

277

<210> 8583

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8583

ggatccctat gtntganatt aaataaactt aagttaatcc attatattct aagttactaa 60

tctttatcta cccaattata ccatagtaac ttaacttcat ttcaaaatgt tatcaactaa 120

ccttaccoga aacctcattt gaaacgagcc ttccccggaa tttatggacc tcacagttag 180

ggatctcttt atccctgtga gtagatgttg gaacagggac ctaacttaac ttcatttcaa 240

tatgttggtta actaacctta cccgaagacc ttttggatgc tatgttggat aggccgggta 300

ttgaagagat tctaatagtc cctatattac tacatgatag tgaggataat acgatatgta 360

cgtggagtaa agatggtggtt ttctctgctc gatctgecta tcacggcgct aggaatatgg 420

<210> 8584

<211> 491

<212> DNA

<213> Glycine max

<400> 8584

agattgatgc atcagtcctg ggactcttag agtcgcctgg agccttccaa cctcttaggt 60

agcttctggg tcacggctct gttatactca tcatcttggc taacacaacc ttaaggcctc 120

tgaactgtga actccaataa tcttttagtg ccaatatgga tttttcaaga gatggtctta 180

tctgaaactt gagaagtgtc atgccttgca ccaaaccaag ggtgttcgga gatatccata 240

tattaccttg catcatctac atattattcc acattgtaaa atcagaggta cgaaaacaat 300

catacaatga tgaattaaaa atattccata gggtcatttg tgacaaatag cagattgcaa 360

gttccaaaag aaatttggtt ggggcaaaca cttacattt thtagagcta tcaccactaa 420

cccaaaatga tgaccttcta tggtccttat ccaacattga agaaaataga tttttctagc 480

tagtatggag g 491

<210> 8585

<211> 479

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8585

cgcagtaagt atgaaaagca atattcattg ttgagggatt aagtgcgctg ctcaatagcc 60
tctttaacta tgcactaaaa tttttgtgtc cggctctccc tgtcacatca tataattaat 120
gtctttacca gggacatata taaaacaata tagacaacca aattaaaaaa tcaaaattaa 180
aaaaatatca acaaaaaggt gctaactatt gtaagaaatc tttcaatttc cctacgtttc 240
tagattttta acaccaatta taatatcaat gaccaaata aataaagaaa ttcacaaacc 300
tcattaagca aagtcttgag agagcagtca aatgtgcttt tgtaggatga atcccccatc 360
atcctggatt tcacctggag aattatgagc atggatataa cgcaaccctt gatcatataa 420
gtagaatgtg cttattcata cgaatntcac caatattggt aggaaacttc aatagttct 479

<210> 8586
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8586

tgctccttaa acctncatta attttttgct ttaccttctc ttccattggt gtttcttcaa 60
tttatctcct tgtatctcct cacatgtctt gtgctaaatg ttgttaacac gattcttttag 120
agtttccact gattaaactt gctataaaag ctagatttga ttttctatgg ttcaaaattc 180
ttgttcttgt tcttgaacca cgaattgtgt tgagtttagg ttcttttgag ttttgtcttg 240
ttattttttg tggtgaaac ctaaacata aaattcttac aaaaatatta aagtagaaga 300
aaacctcaaa aatctagagt gacttggtca cctattgtag ttntgtcata gaagtcattg 360
ctagtcatt 368

<210> 8587
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8587

gttcttaaaa aaaagaataa taagggtaga aactaaatag gtgccataag tgcagttaga 60
acaataaatt gaggctgaaa aaaaataagc ctagacagaa taagtggaag cttttctagg 120
ataaatgctc tcttataacc ctaatttttg aaataaccatt aaaaccataa tttctttaat 180
tagccaagcc aaattacagg ccaataaaaat tccttagtga tccaccaaat gtaagcatga 240
taactttaac tgagatgagg tgcaaaattg ggaacattaa ttgtaggttg tagaaaactat 300
caacactcat ccaagacact tgtgcacaga gagaaacact anagccttgt gaggaaaaag 360
tgaggcaagc cgaccttgat gatttctgct actgaccaat tctatctcaa tggttgttta 420
tgcttcatt gcaagatcat ggcaaataca agaagc 456

<210> 8588
<211> 347
<212> DNA
<213> Glycine max

<400> 8588
gctaacaaca cttaatgttc aatgcccctt cgttactatg tgttcaacta agcaatgcat 60
taaagacatg ttaatttaat tgaataataa atgcgagtct ttattacgag gtgtgactaa 120
ttcatctaataa ataataaatg ggcggtattat tcacggagta gttgaagact tgatttattc 180
tagactatta ctttttgctg aacaactgac ctcaataact taagagggggg tgaattaatt 240
aaattttaaa attttccgcg taacaaattc taaccccctt ttaaattgata catgattgac 300
tcagaatgca gaagaagaag aagaaacaat caatttaata atcgtct 347

<210> 8589
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8589

tgatgatgac aacttatgag tttttaaaca cacacacaca cacacacaca ctttttgcta 60
gtcgatcact cacataaatt tccattctcc ccctttgtgt ttgaatttat gcttctctta 120
aaattaagtt gattactcat gtgagttctt gatttaatcc atatttctct cccccttgg 180
catcaacaaa aagccacagt gcgttacaag tataatacaa acatatacta ttaatcgttc 240
acaaggcata cattgaagaa tataaaccca tcatgaagca agaaacctcc ttagatcaga 300

tatatagaac aatcacatag tcatgtagca tagatcataa ttggtcagtc atactaagca 360
catattataa agaaataata agtgctcana tgtcat 396

<210> 8590
<211> 255
<212> DNA
<213> Glycine max

<400> 8590

acctttctca tttatcatat cccatgtgtt caggaagctc atgcaatcat ttcaataaca 60
aatcttaacc tttctgaagc atttgtgtac aagaaccata acatgagtta ttgctgttgg 120
taggatgtgg aggttccaaa tgtttctga gatgatattg gaggcttata gaatgtcaag 180
agggagcttt atgaggggca cacttgcttt tgatattcca tacctttaat atgttgcaca 240
tgtacatttt aatta 255

<210> 8591
<211> 317
<212> DNA
<213> Glycine max

<400> 8591

gagtgtcgct gtcagcgaca attgtatatt gaacaccata tctgcgtatg agatgtttcc 60
aggtgaactt ttctacctcg ctggctgaaa tttctcaca tggccttgcc tcgatcaact 120
tattgaaata atctatggca accaataaga atttgacctt tctgtgact tttggcaatg 180
gttctattat gtccatccct cacatggcac aaggccaaag ggagcttacg atatggaggt 240
tgtcatggcg tatgcatgga acatctgcac attctatgca tcatatgcac cttcttgtga 300
agtcaatggt gacgacc 317

<210> 8592
<211> 256
<212> DNA
<213> Glycine max

<400> 8592

tataaaatca tttgatttta acatcaagca ccccttgaca atctgaatct tgagttgaat 60
cgctggagag tatgatcaca gagggattgc tcttgtccat gtttaatcat gggatcattt 120

atcctggtga ggcagaagac ggacaaaatc acaagggttg ggtcatatga tccagtttgg 180
gcaaaacccc tttttctcct tcaaacaatt tcctttccat atgtgactat gtgacttctc 240
taacctaata tccatc 256

<210> 8593
<211> 188
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8593

tctctctcta ttccctatan atagggcgag gagggaatat cttctctggt ctaccctcct 60
ggtctctgcg aataacttat aattactgag atacattggt tccatgaata acatacacgc 120
cgaggcgctt cegttatgcg tccgagacgc tcccgcgggt gattccgcga ggattatcca 180
ccgttctt 188

<210> 8594
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8594

cgctgagttc tttgttagta ccgaaactct aggaggagggc caagaaacta ctgtgtaaga 60
atttcttttt ttctttgta gtgttcttga tttgtgaatc tcaactaaat tttgagctta 120
atatgtggca tgcattgtga atcacatttt taatctttat cagctaagtt gagttgttta 180
tgtatgttgt agggcctttc aaggagaaac gaagcaatga gcttaaattc taatagctca 240
gaatcacata taattntcac atttgtcatt gagtctttgt gtaagggtact ggtcaaattt 300
gtaattctac ctaac 315

<210> 8595
<211> 449
<212> DNA
<213> Glycine max

<400> 8595

ctaattgtgt ctcccttgta gaactactaa ctgcagtaac agttgcagcc caactatcca 60

gtagtgatga caatagaatc aatgccttca cctcatcctc aaattttaatc tgcacagatt 120
ccaattgggc aagaatagta ttaaactcat taatatgatac agttacagag ataccttctc 180
ccatcttgag gttgaacaac cggcgcatca agtatacttt gttggctgct gacggcttct 240
cgtacatatc tgataatgcc ttcattaagc ctgcagtagt cttctcgttc acgatgttga 300
acgcgacgtt cttggctaata gtcaatctga tcacgcccaag agcctgtcga tctagcaagt 360
tccattcttc ttgcttcatg tcttctggct taaccctga taagggtga tacagctttt 420
tctgatatag ataatcctct atctgcatc 449

<210> 8596
<211> 525
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8596

cattatgatg catcgatctc gaccgggatac cttaagtcac ctgcggcatg caagcttgca 60
accaaagtgt caccactatt atatgataaa ccttcagatt ctttcatata aacctcctcc 120
tctaaatcac cattaagaaa agttgntctc acatccattt gttgcaactc aatgtcaaaa 180
tgagcaacta attccaagat tatatgaaga gaatctttct tagatactgg agaaaaagtc 240
tctttgtaat ctattccttc cgtttgagta aatcccttag caacaagtct tgtcttgat 300
ctctcaatgt tgctaataga atctcttttg gtcttaaaga cccatttaca tccaatggcc 360
ttngcccat tangcaactc tacaaggctc caaactttgt tactctgcat ggaattcatc 420
ccatccttca tggcatcata ccataaattt gactctttac aacttatggc ttgatcaaaa 480
gttcaggatc attttcagct caatatatag tcagttcttg caaaa 525

<210> 8597
<211> 466
<212> DNA
<213> Glycine max
<400> 8597

ttgatctcaa atcttgaatt gtataataat tatatatatg tgtttatacg atccttctta 60
tatacgcggt aattgtcatt acaaaccatt gcattggttt caattgcaaa actcacgtga 120

attgccaaac ctcaaattga tttttttttt cgtatgaata attcttatgg cctagatttt 180
 ctaatttttg cattcatagc aacatcacac ccttggtgtc tttggttata ataattaaca 240
 atatgtgtgt gtgagtgtca catagatata tgagttgggt ttcaaagtgt ctaatagtct 300
 aaacgaattt gcaacgcgaa aaagggttaac acattacagg cttcccttga aggtgcaata 360
 tatatgttta atacgttaac cattgtgcat attaaatcgg ctgaccatat taagcattgc 420
 gcatattaca tcgggaacgg attgcagcag taaatatatt gatatg 466

<210> 8598
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8598

gcttcgatat caatttcgag cgtctcgata tattaccgga ctgagnccaa caaccgagtg 60
 aaaagttatt ggtcgttgaa tttgctgaga gggtcataa tcaatttcga gcgtctcgat 120
 atattacggg actcaatcag acattccagt aaaaaagtat tgtcgggttg atttgctcaa 180
 aaattccata attaatttcc agcgtcttga ttaattacgg cactcagtca gaccatccga 240
 gtaataagtt atcttccggt caatttgctc aaagcttcgg tcttcaattt cgagcgtctc 300
 gacata 306

<210> 8599
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8599

ctgagcanat tcaaacgaca gatcactggt tactcggatg tcttattgag tnccgcaata 60
 tgtcgagacg ctcgaaattg aagaccgaag ctctgagcat attcgaacga cacataactt 120
 tttactctga tgtctgactg agtcccgtaa tatatcaaga agctcgaaat tgattatcga 180
 agctctgagc aaactcaaac gacaataact ttntacttgg atgtctgatt gagtcccgtg 240
 atatatcgag atgtctgaaa tggaataccg aagctctgag caaattcaaa cgacaataac 300
 tttttactcc gatgttcgat tgagtatcgc aatatat 337

<210> 8600
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 8600

gaagctttaa cctcattgtc tctcacagcc tttagatttg ggagccaatc caatccttgt 60
 gtccggactc tcagccactt atgatagccg ccgatgatcc cattactgct tcccctaagc 120
 tctctgtcct ttcttcacgc cgcattccat gccttgcgaa ctcttggag taccctcgcg 180
 ttgtggtcac tgaaaccccg ttcgatgaaa gggcgtgatg ctttcgtctg atggcactcc 240
 tctcatgggg tagccaagct gtcttatggc gaggacggga ttataattaa tacaaccctt 300
 tgttccatca agggaacatt tggacatcct tcgca 335

<210> 8601
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 8601

agcgttagga tcggaagagt gactatgata atctattatg gccaacggaa aaatgagggg 60
 ttgattgtca atgcaatttg ggggtagctc tgctggcttc gacgtcattg gcaaaccgcg 120
 gaatggtttg agtgtggaac aatggaaaat atggtgaatt cgtgctcctt ttggtacttg 180
 caagcgggtac gccatgggac ctattctctc tatgatctga aatggcccgt aatacctctt 240
 tgctaatttg ccatactag ccggagttcc ttttgcgat gtttctcggt atggtcggag 300
 cttgactata acccagtcac cacattcata attgaccttg tgccgcttct tatcagcata 360
 tgtcttcata catgcttg 378

<210> 8602
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8602

agctngataa cacgcagaga ctaacgtcgt cttttgcggc cttcgncaat cgcgggccgac 60
 aagccccgtg acacgcagag atttatgtca ttttccgcg cttacaagatc tgtcatactg 120

agttttgagt cacgctgacg ggcggaaata cccgagtggg tatccgtata aacttcttgg 180
 tgtctgtaag acgaaaagcc tggtagcacg caaagactaa cgtcgtcttc tgcgctcttc 240
 gtcaatcgcg gccgacaagc ccgtngacac gcggagattht acgtcatctt ccgtgctcac 300
 aagatctgtc atactgactt tngagtcacg ctgaccggcg gaaataccca aatgggtatc 360
 cgtataaact tttgcattct gtagacgaaa agctt 395

<210> 8603
 <211> 546
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8603

ccgtgtgcct gttcactgca ttacggacct ttaaactaag cgtgtcgcgt gttgacaacg 60
 gccatatgta catttgtgtct ctgcgagcta acatcgcggt gacgagctta ctagacaagc 120
 tataaactct catacctgat gaaccacatc gtgttatatg tgcacagatg aggcgtgact 180
 caatatgtaa actctgacgg tatcgttgcg gagcgcagga gatatcgcac gtacctatct 240
 ctgcatgtng accaggcctt gtgcatcagn gagtgcacta aggcgcgcag aacgacttta 300
 gtacatacgt gctaaaacgc ttgttaagcc acccacagtc ttaagtttat acgggtaacc 360
 acccaggtat ttgcctcctg ccccgtaga ccacaactca atctcacaga tctagcgagc 420
 gccgaagatg acgtttatat tctccgtggc atcagccttg ttggccgcac atgacgattg 480
 gtctgaatac gacatcttct actggctcta tcaagatctg agactacggc aacaactatt 540
 taaccg 546

<210> 8604
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 8604

gctttgtatg ccctctccca cttgcgggtga tttcttcttc ggcaaaggcg agatagtgtg 60
 tggcagtgat attattgacc agcccttcga aaccttctac cgagatgtct tggggccacat 120
 gggcctcgth caaaaccttc actattagag cccgatgagg ctcggagctc atgagtaact 180

ccaacagcga gaccctggcc ggggttttgt tgtgctgttc gataaccttg aattcgctct 240
gctgaattat acggaggaac tctactggctt cctctagtga cacctccttt ttaccatcct 300
ttttctccgg aagacctttc gctgaatat ctttattcga agagaggggt gcttcgtcat 360
ct 362

<210> 8605
<211> 322
<212> DNA
<213> Glycine max

<400> 8605

acaccaacac attggcgcggt ttataattga tatatcaatg cgtatataca acttattatt 60
cttgagagta tacagcacia gatccagaa aaaataatac tctggagcag tgacagcaga 120
aagaaaagga ctaccgcaga atatttatga tgacctagaa gatgttctcg agcgtctggg 180
aattggtatc atcactataa cccgcaattc gtttgaatta ccagtaaatt gaaaaatgac 240
ttgtattaca tttcacattt gtagtgtgtc ctataaagat aagacattaa attgccaagg 300
cagacacata agaaaaaaga ct 322

<210> 8606
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8606

tgtgagactc actaagggca gaccttaggt tatgagagcc tctttagaat ctactaggan 60
natttctgtc ttgcgtttta gagagactca ccaacggcgg accttgagtt tgatgagcct 120
atgagactca gcaagggtgg acctttgggt ttatgagcct ttggagattc gaccagcgac 180
gtgtccgacc tggattntgg tgagattcac caagggcaga tgtagtcgt cttatacgac 240
taacgttttg tataaaanna ctttcaaaaa tgtatataaa tccccaatat tagttctttg 300
gtggattgta ataaatttgc ttgtttgact atgtcattaa agcctcctat atggataatg 360
taaatttctt aattcagcaa aatgacaatt g 391

<210> 8607
<211> 126

<212> DNA
<213> Glycine max

<400> 8607

tacagttgga gagcaagttc aacactctta tgttttcctt gccatcagat acataagaaa 60
acgcttctat tctattctcg aggctttctg ctcacatcac caagcacaga tctgaagcaa 120
acaaga 126

<210> 8608
<211> 460
<212> DNA
<213> Glycine max

<400> 8608

agcgttagat aaatgaaact attaaagata taatttatga tgttctcaac ggataaaaaa 60
aatgatataa tgaaggatgat gttttgcttt atcaaacctg agtgatcctg agcttgagta 120
agtataccac ccaaaaacac aacgaagaaa gtcacgggca ttctgtaaga tgacagatat 180
actagcacca tgtgctgact ctgacctgaa acggaaacgt attggctgac aaatcggatc 240
attgaaatta tatatgatta cttggaccat ccgaatcaat atcacactca gtaaattaat 300
cactgtcaaa acagtgcaat gatatcaggt cgacttgtea ttatatgtta ataggagaaa 360
tatacttttt acaaacataa aggacaaaac attatctttt gtcaattctg gatccaaata 420
tcacgatgta caaatttaat gactaaattt ggtatatatc 460

<210> 8609
<211> 505
<212> DNA
<213> Glycine max

<400> 8609

atgaatctgg atttcattgt gccaaagact caacaatatg ataagcatgc tctaacaat 60
ctggatcctt ttctgcatct atggcttcac aaattccata aataaggtec tccccctgca 120
agagagtcaa aaaaatgagt tattatagag ataaaagtca gatcttggcc atcatatattt 180
agtttattat attagttgga tatcttattc tctgctcttg tacttcatca ttttataaccg 240
ccaataatat ttattggtat aaaaaacaat tgagtaaatt gcagtatgta cacctcaatt 300
tatgcaaaag aagaaagata cactgctatt ttcaaatact gcagccacat ttgagagcta 360

aatgcttctg taaatattct ctgcagttct ctcaagatat taaaagagac aattgttttt 420
ccagaataag ctaatccaaa cacgctcata agatgtaatt aacattagaa gaattcacat 480
tcttcagaca tatgactgta tattc 505

<210> 8610
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8610

agctntctac aaagggtttt gaagctaacc tttgattcca tgtgatcatt atatgtaagc 60
acatatgttg tctttatgtc aatatagaca tcgtacgtca gtgtgcatgc atgctaccta 120
gccctagcct tctcgaacct aaaatacaag aagcacgtta acgaagaatc catttaacag 180
ttactatata aatttctcca agtaaaaagt acatttgtat aaaatttata aaattctact 240
attaacttat ctgttagtca gtgtttatgc taccattttt ccaaccacac acttgacaca 300
agccaaatta ttttcttcca tttccgacaa tttttatttt attttggtta actcttcacc 360
ttaatgagaa tatactggat tgacatttga aataaaattg aatgcaaatc aattatctta 420
ttatagccac accaat 436

<210> 8611
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8611

ngagcttaaa tctaaactca gttattcaaa tgagataagc tcatgctgta tatgtttgat 60
aaaagctcac aaacaacttg tgtttgtgta tgtgtatatt ctatacaaaa gattgtcatt 120
ttaaagtaga aaatgtatgt atactaataa taataattta tttattgtta ttacttagta 180
aattgttata ttattgattt attactgtct actattttacg taacgctact tttcaaagag 240
tttctttact ctcttcaact tctagcataa agatatgtac tcaactaaat gctaaattaa 300
taaacataga aagaatacat tggagaaaat ttgaggtacg aaaagaaaat tattgttaga 360
attdagaata tgttgaatag taactgtcat gttgaatgtt ntatgactga aagttagcag 420

ttacatatta ttaaatatgc gtaatacggg aatagaggga tatgtgtgta tcggtttcta 480
gt 482

<210> 8612
<211> 424
<212> DNA
<213> Glycine max
<400> 8612

agcttatgac aattgaaatt ctcgagagct tccgaatacg tgtgaaaagt tatgaccatt 60
tgaaatTTTT gagagattcc gttgttcaat tttgagcgtc tcgatatatt atgcgcctga 120
atttgacttg cctgtgaaag gttatgacca tttgaatttc tcaagagctt ccgttattca 180
atttcgagct tctctatatg tgatgtgcct aaatcagaca tacgggttaa aagttatgac 240
catttgaatt tctcaaaagc ttcggtagtt caatttcgag catctcgatg tattatgcgc 300
ctgtatctga catccgtgta aaaagttatg accatttttag tttatcgggg gcttccgctt 360
ttcaatattg agcgtctcta tatgtgatgc gcctgaatcg gacatccgag ttaaattgta 420
ttac 424

<210> 8613
<211> 450
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8613

gtgagacagt gtggaagagt cagtcttcct actnttattt gttgaccata tagtgggtacc 60
tggagatatg tcgcgggagt caggagacct tgtggacgtc acgtgggggtg ctattgccca 120
aaaccaagct tgatcaatcc tgaccaaac ccggcatagt cagtcagtga gaacctgtga 180
cgtacctaaa caggcgagct cctggtagtc aaccaataaa agaacaaaga ccacaaagca 240
aggaggcttg tgtggtggct ggccagctat ggatcttgag tgatatctag aatatggcct 300
ctggtaatcg attaccaaag gtgtgtaatc gattacaagg cttataaatg aagacagaaa 360
gttaatatgg cctctggtaa tcgattacca aggggtgtgta atcgattaca aggcttanaa 420
atggatacag gaagttgaga tggcctctag 450

<210> 8614
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 8614

tatatcaatg gggcatttca ccgagcactt gatgggcgca tgtttggaca taaattgcaa 60
 gagaatgggg gcaatgtggc atgccccatt gcttcaaaat acaacatacg cctaacgcct 120
 tctcattcaa atcctcaact caaaaaaatc aagcataaaa acaacccaaa actgccccac 180
 aaatataatc acatttctcat aatttggagc accaaaagat gaagaaaata taccaatggg 240
 aagctaaaaa catcaaggat tgaatactta cttgttggag tgaatagaaa cacccaaaac 300
 gaaagcaaac acgatcaaag t 321

<210> 8615
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 8615

ttcattcttt gtgttatgag cctacatcag acaattggat tattgatggt tctgtcacia 60
 tcaagtgatt gttgacatct ccatatgtgt gtacaatgtg attatgtttt cgtttctagg 120
 attcatttgg aatatttgtt gttgattatg aataagtgac caattctttt gatttaaaat 180
 tttcgtctcc taatcaatcg aatattcatc ttgtacaatg tgattatggg ttgattaaaa 240
 ttttcatctc ctaagtagct tgaatcactc actgagacac tcagtaagtt gctagcatag 300
 ttacaagcgg ctcaaccctc tcattcagct gttatgcaag ttggaggcta tagtatatgt 360
 cgaggggagct catgaatctg gctgtggata cccaagatg 400

<210> 8616
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8616

tcanaccaca gcatcacana atctaggtat ccaaaaccgc tcaatttagt ggattntcaa 60
 ggtttgaaaa gtgaaattga gaataggggt aaattgaagc anactctcac ctcacacaag 120

tctataacat caatttaaac ttgttcaaac tggatttaca cctaanattt caccgaatca 180
aaatttgact cctcaacacc caattntacc ctagaaatgg ctcttgccct cactttgggc 240
atttgttttt ctctcttgca cagcccaagc tntctcnata agtctaaatg acatttcgaa 300
ctaggagtaa ctcatthtaa cctctattta ccaactgaatc cagaattagc cttgcaactc 360
tcanagcctc actctttttt tcaactcatat accacattct cac 403

<210> 8617
<211> 433
<212> DNA
<213> Glycine max

<400> 8617

agcttgagct cactgggtgct accccttaaa gctccaagaa atttgatcatg gccatgctct 60
ttcttgcgag ccctcttggt ttcttggtca agggctctag cagtagctgc atttctctct 120
cgtaaccggg cacactcttt ccggacgttt gtagcgacca acttgaattt ttctttggca 180
agtcttgctt ttcttagatc tgtttttaga gctcggactt cttcatcctc ttccggagct 240
tcaaagttct cttcgttgat aatctttaac ttggaaagcc aatctaacc cgtgtacga 300
actttcagcc attcatgata accaccgatg atgccattac gaatgcacct aagttcttta 360
tctttcctta acgggctttc ccacgcctta tggactcttt gtataacctt gaaactttgt 420
acgccgaaat ctc 433

<210> 8618
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8618

tcaactctac atctcatctc tagcatgcat tttctttctt taccactcc tcacgtttgg 60
ttntttaggg aaaaacacca taactaaacg cgccgcaagg gatccctatc gcaccagatc 120
caaacttaga acgatgggtg atcaagagga gacgcaggaa cagatgaaag ctgacatgtc 180
ggctctgaaa gaacaaatgg cctccatgat ggaggccatg ttatgtatga agcagctcat 240
ggagaagaac gcggccactg ccgcccgtgt cagttcggct gccgaagcag acccaactct 300

cttggcaact acgcaccatc ctccttcaaa catagtagga cggngaaggg acacactgng 360
gcacgatggc agccctcacc tgtgatacaa ccgagcggct acccttatgg nattgcgcca 420
actattacca cccat 435

<210> 8619
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8619

agcttcccag atccgatcat ggaaggactt agttactgcc ttcattaggc agnaccagta 60
caatacagat atggctcctg atcggaatca gcttcagagt atgactaagc gagagcatga 120
gtccattaag gaatatgccc aaagatggag agatctcgca gcccaagtcg taccgccccat 180
gacggagagg gagatgatca caattatggt agatacgtta cccacgttct actatgaaaa 240
gctgataggc tacatgccat ctaactttgc ggatctcgtc ttcgccggag aaaggattga 300
atccggacta cgaaaaggca agttcgaata tgcttccaat gtggccccca acaacaacag 360
aagagcccca gtagtgggca cgaggaaaaa ggaaggagac gccacgcag tcaccaccgc 420
cccgacgtgg atgaaagcac cc 442

<210> 8620
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8620

tgtttcgaaa ccaccattg gttctgatag gcttgtgaga ggcattgtta gggactaaat 60
cccacacttc attcctttta aaatgaatta attcatcgtg catagccaac aaccaatgct 120
catcatgaaa tgcttcatat atggttctag gttcaatctg agaaacaaaa gttgtgttca 180
agatccttaa ccttggtttc atcttcaagt gcagcttgcg tctcctaaaa acctgcttct 240
tcattttcca aagcattttc ttgaacaaaa gagccagttt cctcacgaat aatattttta 300
ggttcttcca cacacaaagt tctcctatta agcactctat aagccttgcg ttgtaatgaa 360
taaccaagaa agattgctca tcagttttgc atcanattan aaagagatcc ttttcattat 420

taaatcaaca ttacatcaa accctaaatg gatatttggt ttcttcat

468

<210> 8621

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8621

agcttcattc ctttttctact catgtgtcca agtctttgat gccacatggt tgaattattg 60

acagcctcag taactcctac catatcctca tctgcaatca tgtaaagaga tcctcgcttc 120

tttccacgag ccacaatgag attgcctttt gttaccttcc aagctccatc tccataagtg 180

gtgtgatgcc cttcattatc caactgccct atggatatta agtttctctt taaggtagga 240

atatgtctga cattgtgcaa tgtccatagg gatccaccag aggtctttat gtcaatatca 300

cctcttccga taatgtccag agattntcca tctgcaagggt aaactttccc aaatcttcca 360

aaatatagtt agacaataaa tctttagaag gagttgtgtg gaacgacgca cctgagtcca 420

tgatccatga atcaacagga cta 443

<210> 8622

<211> 473

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8622

tctatagaag gttcgttcct aatatctcta caattgcac accctctcaat gagctggtga 60

agaagaatgt ggcattttacc tgcggtgaaa aacaagagca agcctttgct ctgctcaaag 120

acaagcttac taatgcacct gttctagctc ttcttgactg ttctaaaact tttagactag 180

aatgtgatgc ctctggagtg ggagttggag ctgtattggt acaagggtggg caccttattg 240

cttatttttag tgaaaaactt catagtgcc cctcaacta cccacctat cataaagagc 300

tgtatgcctt aataagagcc ctgcaaactt gggaacatta ccttgtttcc aaggaattng 360

tcattcatag tgatcatcaa tcaacttaagt acattagagg gcaaagcaag ttaaacaaga 420

ggcatgcaaa atgggtagag tacctagagc aatttcata tgttatcaaa tac 473

<210> 8623

<211> 191
 <212> DNA
 <213> Glycine max

<400> 8623

agatgaggaa gtgttgaacg gtgaaacttt ctgcttttat tgttgaccac aacttggtac 60
 ctggagatat gtgacggggg ttacgacacc ttatggacgc ccagtgggtg gctattgccc 120
 aaaaccaaac ttgaccaatt cccaccaaac ccgggcatac tcggacaacg agaacctgtg 180
 atgtacctaa g 191

<210> 8624
 <211> 206
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8624

gctgaaccat nttatcaata aacacaagtt gagttttatt cagaaaagta gagtatatct 60
 cntttatctt agtgagagtg attctcctaa attctcgagt gattcaagaa caccctggct 120
 gtatcaaagg actttcacaa cttttgtgtg ttgccctcgc tggaaagagt gattcttttc 180
 ttectatcat cttcaacctt ggtctt 206

<210> 8625
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8625

agcttgtaga aatagattcg tgcataatat tcttcacctt gtatgggtcca tatatatact 60
 ctcatcgctg tatctagcat tatattagcc gccactcctt cttgggtgag cccgaaagca 120
 atttttcatc tgagagtga tctgatgca tgggcctggc cttgggatca ttgatcagtt 180
 aattaattct acgaccgaga aaacattntc taatttcttc aaggtcaata tgacgtagat 240
 tccttgacag atcctctata acattatctt ctctgctctt ctccaaagat ttcttcttta 300
 ggcggtgatc ttgctggtag ttcccttagag gttcacctcc aattatatat gtactgcccc 360
 tcattntagc atgagcagat gcctcatgag gggccatctg ctcttccatg tactatcttt 420

gagtttcacc tccaatcaca gctttt

446

<210> 8626

<211> 487

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8626

tcatctgcac tcatggatcc caaccaggta actcaacatt tctgcataat tcttagatct 60
ggtttaatat agtttggttc gttcaatttg gtgcgtcgat ttgatttttg ttccttgagg 120
aaaaatctaa tcacacgctt aatttcctct ggtgattcag taatgccatt tattttctgc 180
tcgatttttc aatttttgcg ctggatagga ttttaattaaa tgattgatcg tgctattgaa 240
tggttgattcc tttcagattt aggtgattaa ttagattctc ttgtgtgtgt ggtgcagccc 300
gtgggtgaaa actacgcaa tcccaggact tgcttcttct atgtcctctt caaggtttct 360
tttaccat taattgtgct ctttatcatg tctatttatg caagccattt tcaatttatt 420
aaggcatanc tctttctttg tatcctctct caagctgcag ccttggcatt tacattctct 480
cggcctc 487

<210> 8627

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8627

agcttgtgct tgttntatnt aaattcctag gatcatgagc aactaggtgt gtctactat 60
tacttgagaa acaaagggtga tcaaataaca agaagagatt ttaaaaggta ctaggttgcc 120
tctagtagc gtttctttaa cgtcttgagc tggacgcttg atggcttgtc ggtcactgac 180
ccagtacttt gcttaccttt ggctctggac ttggtcgcct attgctcggc catgggtcgt 240
aagcaacgct ctaacctttt tgtggatgag ctgaggtgaa ctctaaagggt gatagcgggtg 300
cgtctgttgc ccgctgctgg ccatccccag gctactaggg tgtttcgccc tgcgcctgcc 360
tggagacgca gtacttcttg atgaaagctc gattagta 398

<210> 8628

<211> 314
 <212> DNA
 <213> Glycine max

<400> 8628

atactcagct tatgatgatg aatcaagtgg attctagacc atttaataat gactaagatg 60
 ttgactaaaa gcccaaagaa tgatttcaag attaaatcat gaacaaattc aagaatctag 120
 agaagtctga tttctagatt cacgaaaaga tgaattcaag ttccgaaaga acaaatcgag 180
 aagacttcac aagggaagga tggtaaaata atatcactat aatgaacata gctcagtttt 240
 gtctttcaga agagatttca caaaagtttc taaattacca gagtggtttac tctctggtaa 300
 tcgattacga gtgg 314

<210> 8629
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8629

gcttatgcmc atatttcoctt acgaacgttc tcttgccat tacattctat taactaagaa 60
 aaatgcaccc atatacaatc aagacagctt cggtacctag attatttaca cgtacttcca 120
 aggtgtattt gttacttaca tcacacacat ctccctggct aaatttacet acatgcatac 180
 tcaaagcatt ttgggggtacc aaaaattgca catgtgcaca tcttggtatt tctaatacct 240
 atacatacac aaacttcatg atgaatcttg actatctaca caataagggtg ctacatttca 300
 tgctcttttc aagtttttgc tacctaaagc cgcattgcaa ttcaagcata ttttcctttg 360
 ctgactaaaa ttgtattcaa attaaagggt atacattntt ttgtaattga ttttctttac 420
 ataacatgca acatatttat gtatattttt tgtgagaca 459

<210> 8630
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8630

ctctctattt ctctcaatcg ctcttcattc ttctgtatct ttccacttct attctaccat 60

tgtattgcac aaatataatg gattctccat tgacgatgat catgtagggc taaaaaatta 120
atcgatctaa ggatccactc caagcaaagc tgaatttgag tccttgctgg gttttctact 180
ctctgtgaat gttattcttt ctcttcaatc ctatatctgt tttacatgag tgcgattatg 240
tctaggattg aaaatggatt aagctatgga ttcgatttct aatgtcaaaa gttaatcaca 300
tattgnttgg atgatngccc actctcatnt gcgatttcca acaatttaga gattagattc 360
gattgaactg tctctaatagc atatgagtga actttcaca 399

<210> 8631
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8631

agctntgtac attgtattat ttgaaactaa tagtcaagta tgtgccattt aaacatcaca 60
ttatcatggt tgttctcttt tcgagatatt tcaatcattg actgtgttga ctatagatta 120
atatgggtgt gggtgtgact gttatttata gttgctaggt cctgttgtgg tctttcttct 180
tcaagagtct atgaataatt tgccaacttc agtggcgga attactcctg cattgcttct 240
taaagatgct gcttatgggt ctactgctta tgtttattac gaactctcaa actacttgag 300
ttttaagac tggttaagttc atagctacta tgctttattg acgtaagtta tccatatttc 360
gatcttgcca ttcttaaaaa ttgaagatca gttaattttg ttgtgtctgg actctggtaa 420
ccctaataaa tcacagccac ccaactggtaa tggaactc 458

<210> 8632
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8632

tgctctcggt gtagcgggtgg cggcaacgga ctaagccttt aacggccac tatatagctg 60
ggtatgtgca tttgtccatg cttcaagccc aaatgggtct tggacaaggg agaatgtag 120
aaggcagttg cgatttacac ttttccatt tactaataca ctccattntc tgattttata 180
attttttaac acaaaaataat cccattccag aaaataatca aaagacaaat aagggttcctt 240

caatcacaaa gactcactct cttactcaac tntnttcaat cattgtgctt ctagaacaag 300
atcttgattn tgattattat gagaatagta gtcaaatga gagcacgaca atcaaggtag 360
gcattatttc tttatttgag actctnttgt ttatgtaaga gataagaata tttgttggtt 420
gnngttttga attgtaagct agtgagtgat tgngtgagct tgaacttaaa tataagtgtg 480
ctg 483

<210> 8633
<211> 238
<212> DNA
<213> Glycine max

<400> 8633

tgtaatcgat tacccttctg gaactttccg agatggctcc caagagtccc tactgtatat 60
attgtattat gtatggctc cctgggtctt caatatatta ccagacatgc aagttccaag 120
ttcaagtctg atgagtcaca actttttata tactagtgtg gtgatccgat tcaaccatta 180
tgtaatcgat taccatttgc gaatgttcga taatagctcc cgagagtcca cctattca 238

<210> 8634
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8634

actcaagctt anacacattc caatttatgt ttaccccagt gaactacctg tcttttaatt 60
taacctcgct cctctttcat gacaccatcg tcaatgaatc tatctaaaga tatcaactgt 120
acacgaatac gcataagcta aaattttaag ttcagtcgct caaaccagc gtgtcagccc 180
aatctataaa accttcatgc ttttcagccc acacattcta gttgtctaac attacacatc 240
cccaagaaga aacatgaatt acgactagct ntcatatcat atcaa 285

<210> 8635
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8635

agcttcaagc caaggccaga ctctcgtgca tgcataaggct tctcaagaaa aaaaatgcct 60
aactcaccca aaaaatctga tttcaagctt aaattgggtg gttggtctgt gttcgtgcgc 120
ttagcgcaaa tcataatcgc ttagtggtgca taagtggatt ttggcttagt gcacttctgt 180
cgcttagtgg atgagttgaa gtggtgcgct tgatgacctg gagcgatgca ctcaacgaac 240
ctgataactc atcttcttct ggattcttct tcgggcttaa cactgagtgc tcgcgcttag 300
cgaatgctca ctaagccaga agattggctt agcgagaagg tgaaaacaac acatttgcca 360
atttgccata ttaacctgaa attgagagaa attgattatt aaacacacaa aacaaaagta 420
taaattatct attacctata ttaacanan agtacttata atat 464

<210> 8636
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8636

cattggtgta tattgatctc ctcttggcgc tctaaattgt ggggaatgtgc tcaaatatgt 60
ggggcaattc tggatagttt tcttgcttga ttaagttgaa ttgcggggtt gtatgagatg 120
gccctaggcc tataatgcat tttgaagtaa tggggcatgc cacattgtcc ccgttctctt 180
gctattgatg cctaaacgcg cgcccaccaa gtgttcggtg aaatgcctca acggcattag 240
cgcgtgactg ttgtangga acaacccatg gtgcaatgtg gtttgacata tttttggaca 300
tgcattattt tcaaagacta gagtatagcc cccatatgcc tacgctacaa ctatatttat 360
g 361

<210> 8637
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8637

agctnngctg tcttcctatt catccatcaa catgtagaat gcttattctt tccatattga 60
tgatatgtct tgatccagct ttaactcttg cttgtgcatt cgagttaa gatccatttg 120
tgcateccat ttacctgat gaaaagaaga gagcttcagc tgctagatct gagcttggtt 180

ctttgtatgg gggttgtggt gaccagtttg ctatagtagc agcatttgaa tgctggcata 240
 attcanagga aatgggtcta gaatcacggg tttgttctca gtactttgtt tctcaaagca 300
 ttatgaacaa gttatctgga atgcgtaaga atttagcagc agaactatat cagaatgggc 360
 ttattcatgg gcagtttaca agc 383

<210> 8638
 <211> 496
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8638

ggaaccttga tngaatttcc atccaatggt ggagaaagggt tcttgtgtaa agtatagatg 60
 tcaaagaggg ttaaagaaat gttaatctta taaaatatga tcttgtaaac aataaaagat 120
 tattacttac tttttgctaa cattttcggg agtagttatc gctatgttca aagtaagcat 180
 tgttttttta tattgattac tagtgagagt ttccatgatt ntcttattat tgttgggaagt 240
 aatcattgat aanaatgttt aagaaggaaa aaaattatat aaaaagtatg caaaatacta 300
 gaaaggaata atttcatgtg aaaaagtgat ttgatattt ataatgggtt tgaagtaatt 360
 aactaacaaa aatagacact ccagtaataa taacataacg ttcattgtatc tttntctcta 420
 gctaacttaa tttggatata acataacggt cttaataaac annatatnga catcattgac 480
 tttgagaaaa aacaca 496

<210> 8639
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8639

agcttcatga tgaatcaaga ttgattcata gaatttttga ttataacaaa ggtgatgaca 60
 aaaagctcac aggtcaagaa cacttcatga taacaaagat gatgatctca agaatcaaag 120
 aatgagttca atatggttca agtggaaatt agatttcaag aatcaagatt caagggttcaa 180
 gcttccaaga atcaagatca agattcatga ctccagattc aagaatcaag agaagactta 240
 atcaagataa gtatgaaaaa gttttttcaa aanatgagta gcacatagat ttttctgaaa 300

accttttttac caaagagttg ttactctctg gtaatcgatt accagattat tgtaatcgat 360
taccagtagc 370

<210> 8640
<211> 254
<212> DNA
<213> Glycine max

<400> 8640

ttggacaact gctgtttaag cttcttctg caagttgtct gtggtggaca agcttttgat 60
cttgcaagcc aaattagacc tgtcaagtgg atgaagtcct tatatatgat gattcaaccc 120
ttttctgatac attggaggat gcattgaaga caaatgtttc gttttgtctt ttgctacacg 180
cgagagcaac acacacgtat tactcttgca tatgtatcac tcatggaggg ggtgtgtact 240
gaagatgcaa taca 254

<210> 8641
<211> 409
<212> DNA
<213> Glycine max

<400> 8641

tcgattacta gaagttttta cgtttttaac aacctttaga aatttgaatt taaattttta 60
agcctgtaat tgattacaac ttgtgtgtaa ttgattacca acatgagaat tcaaatttca 120
agtctgaaga gtcacaactc ttcagaaatt aactgtgtaa tccattacaa cagttatgta 180
atcgattacc aataaggaat tttcgaaaat aactcccaag agtcacaact gttcaaattt 240
tttttgaatg gtcataatg gcctataaat caattaccag acatgaaaat tcaaatttca 300
agtctgaaga gtcacaactc tttagaaact aattgtgtaa tcgattacaa caattatgta 360
atcgattacc agtaaggaat tttcgaaaat aactcccaag agtcacaac 409

<210> 8642
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8642

tgaggaagtg tggaagggtg agacttccta cttttattca ttgaccacag agtggtagct 60

ggagatatgt cgcgngggtc aggagacctt gnggacgtca ggtgggggtgc tattgccccaa 120
 aaccaagctt gaccaatccc gacccaaccc gggcgtagtc agtcagtgcg aacctgtgat 180
 gtacctaaac aggcaagctc ctggcagtc accgataaaa gaacaaagac cacaaagcaa 240
 ggaggcttgt gtggtggctg gccagctgtg aatcttgagt gatatatagg atatggcctc 300
 tggtaatcga ttaccaaggg tgggtaatcg attacaaggc ttaaaaacga gatcaggaag 360
 ctaagagggc ttctggtaaa cgattacaaa ggggcgtaat caattaccag gcttagaaat 420
 gggactgtga atgtgaaggg gcctctggta atcgattaca cagaggaaca ggccatttgg 480
 tatcaattac cagttata 498

<210> 8643
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8643

agcttcggtt ntaaatttcg agcgtctcga tattttactg gactcaatcg gacttccgag 60
 tgaaatgtta ttgtcgtag aattagctac gagcttcggt tttaaatttc gagcgtctcg 120
 atatatttcg ggactcaatc ggacttccga gagaaaagtt attgtcgta gaattagctg 180
 cgagcttggg ttttaaattt tgagcgtctc gatataattac gggactcaat cagacttcc 240
 agtgaaaagt tattgttgat cgaatttgct acgagcttcg atttggaatt tcgagcgtct 300
 cgatatatta cgggactcaa taggacttcc gagtgaaatg ttattgtcgt tcgaatttgc 360
 tacgagcttc ggggttataaa ttgagcgtc accatatatt acgggactca atcggacttc 420
 cgagtgaat gttatt 436

<210> 8644
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8644

tgtagcagan tagaactaca ataactnttc actcgaagt ccgattgagt cccgtaatat 60
 atcgagacgc tcgaaattta aaaccgaagc cagtagcaaa ttcgaacgac aataacaatt 120

cactcgggaag tccgattgag tcccgtaata tatcgagacg ctcgaaattt aaaaccgaag 180
ctcgtagcaa attcgaacga caataacaat tcaactcggaa gtccgattga gtcccgtaat 240
atattgagac gctcgaaatt ttaaagcgaa gctcgtagca aattcgaacg acaataacat 300
ttcactcggga agtgcgaaatg agtcccgtaa tatatcgaga cgctcgaaat ttataaccga 360
agcctctagc aaattcgaac gacaataaca tttcactcgg aag 403

<210> 8645
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8645

agctagggttg catctaacct caataatgga agatttagtt atccattttc atgggtagcc 60
tcaaaataca tggaagggtgg aagaagatga agaatggagg caaagggaag ctttctccct 120
cgcgagagatt gtagagacgt gccaaatgaa ggacccccctc ttctaaatga tagtcaaadc 180
ctatttatac aagagccaaa aattctattt taagtgaactt ttagctgagt tcaaaatttt 240
agcttcagct aaagtgcaaa acaacttaag ggcgaaagag aatctagctc caacttccaa 300
atttagctca cgcttccaga tgtgttttttg cttgctgtca gaatttagct ccatcttcat 360
tccttagctc aactaaattg aagtccccct cctcaaaata gctctagaga ttntctacta 420
tccactccat ttctacaaaa a 441

<210> 8646
<211> 336
<212> DNA
<213> Glycine max

<400> 8646

aaatcatccc tcgcaattat tgtaccgctg ggttggtacc tgtgatgatc acgaatcttt 60
gttcgtggga gcagaatgac agcagtagag tacgagaagt gagattcttt tgtggagccg 120
tcgagctgac tcgatgacgt tgagattata ttgggagagt cgagtgttgt taatcaactc 180
cttcatagtt ggttccataa ctcttgttgt tgaattgagg atgtgcatca caaatgtaat 240
tatatgtatg aacaaattta ctttttatta tgcgaatgat atgtgctgag ttactatata 300

tatgtgtgcg tgcgtgagtg tatgagagta ttcact

336

<210> 8647
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8647

agcttgacag tattacaaat ctcaatatac gtcttcaagt gtgagtatgg atcttcattt 60
ggtaaaccat gaaacaaatt gctctgtatt agctgtatca atgaagggtg gtaagataag 120
ttttgtgctt gaacctctgg ccgcacaaca cttgagaaat attgcggcac caaagtactt 180
gagtaatctt ccaaggtcac tcatcgtggt tgctcttcaa ccatgacttt ggcttcaaat 240
tctgttgttt gagattcctt ggattntggt gaattagaag atgatgactc agaaaagtga 300
gccctttcaa ggattgatgc tactgttcta tcatggaaaa gctttctttt tctctcagag 360
ttctttcttc taaagggtgc ttcaatttct aaatccaatg gaaccaattc acctgcagaa 420
gatctacaca tccaaacact taca 444

<210> 8648
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8648

ntataagtgc gggtttaaga cacgaaggcc aagtcgccgc gatatgagag gatgactccc 60
cgacgagatc gganttggtg cgaccatgtc ctcttggttt ctgactagga aattggcgag 120
tggaggagtg cccagacgtt tacgcgacaa gcataatgta accctatgta gctctaaaac 180
tctacggttg ggcttaggct atagagtttc cttttgttaa ggcattatgt cttttgctct 240
tgaatgtata atataaagag ctttcttcat ttgttctgct gcctctaccc attctcattc 300
attntcatgt ctacttcttt acgctcaaga cgctagatcc aacgacgagt ccctcgaaag 360
actaatcccc gagactcggc cgtcaatt 388

<210> 8649
<211> 445
<212> DNA

<213> Glycine max

<400> 8649

agcttgagag gattgatggt gacccggtgt tgtagaaac gaggatatgg gctacgtggg 60
agtacatgag ctcatgttga ggtgggcaac aggggatggt gggtttatgc gcgcattgtg 120
gatgtggaaa acttggtgtg caccatcgcc cgaccgccac ctagtaccac atgtgatggg 180
taccataa tcctacaagc ttgagatgag gaagtgttga agggtgaaac ttctgtcttt 240
tattgttgac cacagagtgg tacctggaga tatgtcgcgg gggtcaggag accttgggga 300
cgtcaggtgg ggtgctattg ccaaaaacca agcttgacca atcccgaccc aaccgggca 360
tagtcggtca gtgagaacct gtgatgtacc taagcaggcg agtcctggc agtcaacaga 420
taaaaggaaa acaagaccac aaagc 445

<210> 8650

<211> 473

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8650

acaatggttt taaaatgtgg ctataaact tggaatccct atccgacaca atgctcctag 60
gaaatccatg aagagtcact acctctttga ataaaagata caccacatga caagaatcat 120
ccnctttgtg acatggaatg aagtgtgcc tctagaaaa cctatcaaca accacaaaaa 180
tcgaatcttt ctctcttgg accttggaag accaagtaca aaatccatgg aaatgtcggg 240
ccaaggggag gtaggaattg gaaatagagt atacaaacca tgatgcatga cntagactt 300
tgcgttatga acaaaanttg ataatatcat gtttcatnt aggccaaaag aaatgttcat 360
gcaaaatgtt caaagtcttt taaactccan aatgtcctgg ttaacccctt ttatgagctt 420
cacanatcat gatttcatga naggaacttt gaggaacac aatcttttat ttt 473

<210> 8651

<211> 444

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8651

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ttgagatgag tttgtgagtg gttgtgagat cctagagggtg aaggagacat cctcaccact 180
ttgtattttg caatctttca tttttttctt ctctttgggtg aaaggagggt tcctcgttat 240
ggaaagccaa aatcctccgt tggatcttcc ctggttggtac ttgatgtaaa tatcttttta 300
tctatttaat gatgttttgt gtgttctcta tgctatcagt ttttcattct actatgcctt 360
taccatgac acgtagatgc atgctttgtt aggggtcattc aacagtggaa actagtctaa 420
ttctgatgac cttgatagga caag 444

<210> 8652
<211> 535
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8652

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ttntaagaaa agggctttct ctntnttttt taaaagatgt gccacatgtc ttcttttgag 120
tggagcaaaa agggccatt ntttctcttg atgtgactca cactcagcca caagaagaga 180
aaaatctgac cttttgaaat gctaaaatcc tgcctcagtt tgcgtgtcgt ttctctgggt 240
ccagtcctc gcgtttctct gcacccgtcg gggccagttt ttgaaagtaa gcaatatata 300
tatatcaaaa cgcttagaat gaaaccccg gcggtggttca gaggttggtt ntgttaaaat 360
ttaagttgca cgcaaagaca ataattttag actaattaat tgagaattaa cctataacta 420
tccagttatg gatntctctt ccgtaattag cctaaccgc gtatctttcc nccaatatac 480
ctacttctac caggagtata tatatatata tatatatata tacactgaat aatac 535

<210> 8653
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8653

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ccaacaaagg gagaaagaag gttgtcttcg aacccggaga ttgggttttg gtgcacatga 120
gaaaagaaag gtttccggaa caaaggaaat caaagcttca accaagggga gatggaccat 180
ttcaagtgc tgaagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240
atgttagttc caccttcaat gtctctgatt tacctctttt tgatgcagat ggagaattcg 300
atttgaggac aaatccttct catgagggag agaatgatga ggacatgacc aagagcaagg 360
gcaaggatcc acttgaagga cttggaggac ctattgaca 399

<210> 8654
<211> 444
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8654

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tttcaactcg atgtcagatt caagagcaaa atatacagag acgctcgaaa ttgaacaacg 120
gatgctctct agaaatntaa atggtaaaat tttttcacat ggatgttata ttcagacaca 180
taatatatcg agacgttcga aattcaagaa ttcaaaaatt aaagtcttca agaaatatag 240
agatgaaaaa ttatgaccat ggggtgtacga ttgagaccca tgatatatcg atatgctcaa 300
aattcaaaaa ttgggtccaat tcanaaatc aaagagccct aactntngac atgggtgtac 360
gatngaggcc catgaaatat cgagaacgct cgtaatgaaa aattgaagtt cttgagaaat 420
tcanatagtc ataacattta actt 444

<210> 8655
<211> 424
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8655

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aacctacgga attaaaacaa actaaatggc tgagtgtaac tgaaattgtt ggcaacaaaa 120
agttaccccc aacagccaac aagtcagcca ccatttggtc tcccaaaagg ctgatgccta 180
ggttgccaat tgggccctta ttacaacttg aactaaagcc cttttagttg attaacccaa 240

aacatatttt tggtcagcca actttacaag gattgtgcca ttatttagac aaactaaaca 300
 ctctaaaatt gaaataaagt ggtgtcattt agtcctccat ttgggccatg atacaactca 360
 caaccttgga cttttctcct tgaaacttgg gcttgtattc aaatagtatg gacagcactt 420
 gttg 424

<210> 8656
 <211> 503
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8656

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 aaacgattct ccacatccac aaatgacgta taaccaccca tcccctgttg cccacctcca 120
 actgagctca cgtactccca cgtagccctt atcctcgttc ctctcaacgc cgggtcccca 180
 tcaatcctcc caagcttcca caacatccag gtaattccac atccaatcat catggactca 240
 caaaaccaag caaaacaggg caaaggcaga aaactctgcc caaaacacaa accaatatca 300
 cagcttttca catacaaata cccagtaac attttcttcg ttccaattcg ttaaccgttg 360
 gatcgactcg aanatattac tggaagtctc tagtacataa gtctacattg ttaccgctgg 420
 gatctgctag caaatgttca taaccccata tgtactaccc ttgtcacaac cagccataca 480
 ctagcgattt tctgcactta tac 503

<210> 8657
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8657

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 gatggtcgtt tctccgggag cgacgcgtcc agctcaggga cgacgagtat actgatttcc 180
 aggaggaaat aaggcgccgg cgggtggacat cactgtgtac tcccatggcc aagttcgatc 240
 cagaaatagt ccttgagttt tatgccaatg cctggccaac agaggagggt gtgcgtgaca 300

ccataagttc cttgcgctca aagacacgaa n

511

<210> 8660

<211> 349

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8660

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acactggatg ggtttcatgt nttgttcttc gaacatcatt ggagtgtat ggggagagat 120
gtctacaatt tcactagagc tttcttttag gatccaacaa aaattgctga agtgaaccaa 180
acttttttaa ctctgattct gaagaaatgt gaggtcaatt ctattaaaga tatcagacct 240
cttagacttt gtaatgtgat ttatgaagct atgactcgtc ttatctctca acgcttgaga 300
ccaatgatgg tgaaattagt gggtcatttc caatctagcc ttaccccaa 349

<210> 8661

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8661

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aatgaataan agaggagag aagtggaact ttgaagtgtg ttcataaga ctttcattca 120
tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggtagc ttccttgaga 180
agctgtcttg agaaaacttc cttgaaaagc ttctttgaga aaacttcctt gagaagctag 240
agcttagcta cacacacccc tctaataact aagctcacct ncttgaaaag cttccttaag 300
aagattctaa agatgctaga gcttagctac acaaacctct ctaatagcta aggtcacctc 360
cttgagatga gaagctagag cttagctaca cacccttat aatagctaag ctcaccccca 420
tgacaaaata catg 434

<210> 8662

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 8662

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gccccacatt atttccatga cacaaatgca aaaatgatga tttggaaatt ttatgcaaaa  120
ctgggtcatgc atgcacctat gtggacgctc aagtgtcaaa tttttatggg catctgatgc  180
tagggctcaa gattcatttc ctctatttta aatcaaccca atgtttccaa aatatgttct  240
tttatcanat tgtgcattca tccgagtcca tttcgggcgt ccgggaaaat attcacagca  300
ttcacccttc aggtgtacac acacattntc caaaaattag tgaattnttt caaagaaaag  360
ttggaaatca tctcttttca naagcgtggt ggtnnttcag ctagaaaact taatttttct  420
cttttttttc tttnttttat ca                                           442

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<210> 8663
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8663

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gtttaaacgt aacatgaatt cattattagc ccctcgctta acatttctag ttaataacat  120
cctgcatatc tttaacatcc tacattagat atgggacaaa atatatttgc cctcatgaat  180
atattttatg tttgctcttt gataattatt ttctttaaat tcttcataaa atataatttt  240
atattgtaatt cttataaatc agtagtgaat tttgggttta tttcttgata ttttttatat  300
ttattattaa ttttttttca aaggaactaa taacaaatga attttttatc agagtaaata  360
aatttttttc taattaatag gaattaaaaa aaggtnttaa gaataaaaaa ttgttatttt  420
tattc                                           424

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<210> 8664
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 8664

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tctgtccctg agaaactggg tcccagaaga caacatggag tgtagattgc tgtaaaccct   60

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agccttgcaa caagttctag ggaagtagac acggagatgg acaagaaaat ccgcagtatg 120
 gtgagtagca ttttgaaaga agcctctgtg cctgaagctg atgaagatgt tccaacatct 180
 tccaccccgga atgtttctat gcctgatggt gagaaagatg ttccaacatc ttccggccca 240
 aatgatgaag tactctcttc ctccagcaaa gagagatcaa cagaggaaga tgatcaagcc 300
 gcagaggaga cccctgcacc aagggcacca gaacctgctc caggtgacct cattgactta 360
 gaagaagtcg aatctgatga agaaccatt gccaacaggt tggcacct 408

<210> 8665
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8665

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 ttgcaaaggt ggaagctatg gaagatattc tatcagaaag ggaggccacc ttctaggcaa 180
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 gggaggtcaa ttatggctcc gatgactggg tcttgggtcaa gctccgacca tatcaataaa 300
 catctgctaa aggaacacag gccattacag gcaaattggt gaagaggtat tactggccat 360
 tccaaattaa agagaggata agcccagtgg cataccgcct acaattgccg aacggagcgc 420
 gaaatcaccc tgt 433

<210> 8666
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8666

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 aagctagtat atctcatcat caggaatattc tggngttagg aatttcctgg gatctttact 120
 tatttcttca tagtttaggg ttgatttcac ctttctggc actggcatga gaggaataat 180
 gctatctcta tcgattacac catcaataat tccgtattcc actgcttcaa ttggagacat 240

atatttatcc ctatcaatat ctctttgcac ttgttcaaat gagcgtccag tgaaacttga 300
 tataattctt gtgatattat tcttgttgtg cataacttct ttagcctgaa tttctacatc 360
 tatagcttgt ccactagcac ctccctagagg gtgatgaatc ataattcgt 409

<210> 8667
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8667

agcttgtctc agcgtttatg cgagacagag acttacatgt tagctatcat cgccaagtac 60
 gaagaagagt taggtctagc cacggccac gagcatagaa tcgcggatga gtatgctcaa 120
 gtatatgcgg aaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc 180
 atgtggatgg atcggtttgc tcttaccttg aacggggagtc aagaacttcc ccgattgtta 240
 gccaaggcca aggcgatggc agacacctac tccacccccg aagagattca tgggcttctc 300
 ggctattgtc agcatatgat agacttaatg gccacataa ttagaaatcg ttaggaaact 360
 tgtatggtct cttagacctt gactagatat gacttccttt ttgaaatana atgagttggg 420
 cccatgttcc tac 433

<210> 8668
 <211> 500
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8668

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 aaggaaccaa taatattaag gtgtggaatt gcgagactgg cagtgacaat ggcagcgaga 120
 tgcggaggca cggagttgcg atgaagacga tgacgcgggc gacactagag ttgcggcaga 180
 gacttgaatg aattagggcg tggagccaat aatattttta aaaattgagt cgттаacatc 240
 ggtttttcca tcaaaaccga tgттаacaaa gtgatgttta cgттаacatc ggттnttttt 300
 ataaaaaaaa aattgatgtt aacttataat ttaccaacat cggtтnttttc aaaataccga 360
 tgттаaggaa gtgatgttaa cctтаacatc gattntntaa gaaaatcgat gtтаacttat 420

cattntccaa catcggantt ttgaaaacgg acgttgcgtn tcatgtaaca tcggttctca 480
aaaccgatgt aacctactat 500

<210> 8669
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8669

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ttatgaatga tgctctccta caacctaaga taaggtagaa ggagataaac tatacaggct 120
caaggttcaa tcaacaatt atactttcag ctcaaaatgg tgcaagggat aatcaatca 180
tgcacgaggt aagcttttta gctaagtggc tatcttcaat ccaaacatgg ccttcatcat 240
ctttaatttc acgcattcat tccatactca aagattcatg caaaaatcat tactcaatgt 300
tagtcgttct ctcacaatta aagatcacac tctcacggg ttacggctaa tgcgttcctt 360
cacaatcaac ctgacaaacc aactaacatt ttcattcatg atcctcattc catgttcttt 420
ctcttcta at gattgcatgc tcat 446

<210> 8670
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8670

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attacatttg atatctgttc tgcattgtgc atcatcatag tgcgagtaaa gaaaattttt 120
taagtttagaa aaatttcttc agatgcaaaa actctcagtt ttaattctatt atagagtctg 180
tcgaatcgat tacaagctgt ctgaagctta naaggttaag tctcatatcg gtttaatcaa 240
ttacaatagt attttaatcg attacactgc tggttgagac aatgactgat tnttcaagag 300
tctctgctgt aatcgattac caggtggatt aactcgatac ttc 343

<210> 8671
<211> 170
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8671

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aaggatgacc ctatggctgc caatttgtca atcccgtggg tatggctggt gaaaggtggg 120
gaaaagaagt atctgaatgt ataaacgccc accctttcgt cattattata 170

<210> 8672

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8672

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caacatggtg aacaacctan aggctatagc ttgaagctca aggaaaagct tgaagaattt 120
ttggctttta catgcccgcac tcccttgagt gacatttgta ttgggttgta tcttggttgt 180
tgcataattan tacatttgat atctatattg catcatgcat catcatgggt agtgagaaga 240
aaagtttcta agttagaaaa gttacttcaa aggaaaaaat tatttgtttt aatcaattac 300
agagttgtcg taatcgaata caagaagcta tctaaagctt aaagagttga gtctcgatc 360
gatttaatcg attacagtag tctcataatc gattacacta ttgtttgagt caatgactga 420
tttattcaag agtcttttgt ttaat 445

<210> 8673

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8673

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tacctggaga tatgtcgcgg nggtcaggag accttgagga cgtcagggtg ggtgctattg 120
cccacaacca agcttgacca attccgacct aaccgggca taatcagtca gtgagaacct 180
gtgatgtacc taagcaggtg agctcctggc agtcaacaga taaaaggaac atagaccaca 240
aaacaaggag gctcgtgtgg tggctggcca tctgtgaatt ttgattgata tatgggatat 300

ggcctctggt gatcgattac caaggggtggg taatcgagta caaggcttaa gaatgaagac 360
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<210> 8674
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8674

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actattgggt ntgtacattc aattctttta ctatgggtat tcgcttttta atatgtgggt 120
gaataacttt atttttttcc tctaataagg ttatttaaag gatgatgctc cactacctct 180
tgttgactg caatgacatt gctcattcat gagatattcc atacttatat tgaatacaat 240
gtttcaactc tttatttcta actaaagaac atgaatattc agtaaagtgg aaatatgtat 300
tttcattgtg tattgtgaag gcataaccct acaacaaaat ggaaatacat ttctacttgt 360
attctgaaga atgaaaatgt atttctgtca aagataattt tgtaaaacaa tccataaaaa 420
gcatgagtgt gaacttagaa naaaatggga tggaaataa 459

<210> 8675
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8675

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catatagatg cagcanaacg caaacgagaa gaggataatg gaggcaccat ccactacgga 120
ataagccatg gaagaaggag cttcaccact gagaatgtgc cttggataag aagctcgaag 180
aggatactct aataggggaa aagatagaga gaaggtggga gcacgactct gaaggaatac 240
tagagggaga gaagtggaac tttgaagtgt gtctcataag actttcattc atcatagtta 300
caacaagtgt tacacatgct tctatntata gactaggtag cttccttgag aagctctctt 360
gagacaactt gcttgagaag cttctatgag agaacttctt tgagaagcta gagctgagct 420
acacacacnc ntctaataac taagtcaca 450

Figure 1 consists of 12 bar charts, labeled (a) through (l), each representing a different fish species. The species names are: (a) *Merluccius merluccius*, (b) *Merluccius medius*, (c) *Merluccius bilinearis*, (d) *Merluccius lusitanicus*, (e) *Merluccius merluccius*, (f) *Merluccius medius*, (g) *Merluccius bilinearis*, (h) *Merluccius lusitanicus*, (i) *Merluccius merluccius*, (j) *Merluccius medius*, (k) *Merluccius bilinearis*, and (l) *Merluccius lusitanicus*. Each chart displays the percentage of total catch for these species across four years: 1990, 1995, 2000, and 2005. The y-axis for all charts is labeled 'Percentage of total catch' and ranges from 0 to 100. The x-axis is labeled 'Year'. The data shows a general trend of decreasing percentage of total catch over time for most species, with some fluctuations. For example, in chart (a), the percentage decreases from approximately 85% in 1990 to 75% in 2005. In chart (l), the percentage decreases from approximately 95% in 1990 to 85% in 2005.

<400> 8678

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tccccaaaac actagatcat accattctcg ctaacaacca atggctntaa ggtattatct 180
tgttgagaaa tctgagggga taaacaccga ggatatttac accaaagggg tactaatata 240
agtgagteta acatcacacc ttaatccaaa atcttaagga taaagtttat gggtcctatc 300
cttacttttc aaccttccta ttctaccg atgtgggacc tcattttaca cttatacttc 360
aacaatctcc cctcaaatg taagtctctt ccacatggta gcttccccct cgagtgggaag 420
tcattntcaa tccatgagta cctagt 446

<210> 8679

<211> 340

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8679

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gtctgttgat agctaactgg aataaaagaa aagctaaggt cggaccagtt gatagctaata 180
tggaataaaa gaaaagctaa attgcaggga ataactatga tatctttgta tttcatcatt 240
accccccttt atagccatct catacaagat attntgctaa gtngttataa cagaattatg 300
aaattgcata accacacagg tatcaagtaa aacgtggaaa 340

<210> 8680

<211> 358

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8680

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ccccctgata ttggaagagg gccaaactgt cgagcacgac agagaggagg gctgtcagat 120
ggctattatg cataccgggg caagatttca cccgtaccgc tgcaaagaga caagtgcgga 180

<213> Glycine max

<400> 8683

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aagtgacatc cttggccaga gtggatttga ttgggatggc actaagcaca tgatcacagt 120
tgagaatgaa aatgcttggga atgaatattg cactgtaagt attctttctt taatatgttg 180
ctattcgcta ttcaaagtag attggatttg actttttctt tgtttccaat cgcataaatc 240
ggctaaactg tttcgattca ggtgcttcac aattgggatg atataaggga tttgtgtgct 300
aaagatagag ccaccggtca tggagctgaa actgctatgg atgctgatga agcgatgagt 360
atagaaacaa atgaagt 377

<210> 8684

<211> 317

<212> DNA

<213> Glycine max

<400> 8684

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cggcgcattg acaatgggca caaacgacgt agtctctacg tgctataggc ttttcgttta 180
cgacagaaaa agttatcgga ttgtagtgt tactctactg aggttaaagg tggctagatt 240
ttgtaaacat agccttaaca tgaagaactg gagttgtgac atgatgtcac gtatgtaaga 300
ataaacggcc gacatgc 317

<210> 8685

<211> 470

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8685

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tgtaagacga aaagcctgat aacacgcaga gactaacatc gtcttctgcy accttcgtca 180
atcggggccc acaagcccgt tgacacgtgg agatttacgt catcttccgc gctcacaaga 240

tctgtcatatc tgacttttcga gtcacgctga cgggcggaaa taccgcgagt gttatccgta 300
 taaactgttt gctgtctgtgta agacgaanag cctgatagca cgcagagact aacgtcgtct 360
 tctgcgccct tcgtcaatcg cggacgacat gcccggtgac acatggagat ttacgttatc 420
 ttccgcgctc acaagatctg tcatactgac tnttgagtca cgctgacggg 470

<210> 8686
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 8686

agcttggtga aattgccatg tttggatgag ttattcatatc ccattctgtt ttacgggtta 60
 tgtgatgatg tttgtgatgt ttatatactg aaattgctga tggaaaactg ttagagatga 120
 agggtagaac taacctatgg ttagaaagtg ggaatgtgat gttatgagtg gaaaaagagt 180
 gaggctttga gagttggaag gttaagtatg aattctgtga taaatggagg ataaagttag 240
 ttaatactag cttgaaatgt catttatgac ttgggagaaa gcttggactg tgctagagag 300
 aaaaacaaat gatcaaagtg aacaaagagc catttctagg gcaaaattag gtgttgaaga 360
 ctcaaatttt gagttggtgg aattttgggt gttaaaccag tttgaacaag tctaaattga 420
 tggatatagac tt 432

<210> 8687
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8687

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 aagggtagag ttaacctacg gttagaaagt gagaatgtag tgctatgagt ggaaaagagt 120
 gatgctttga gagtttgaaa ggtaaatact ggatttggtg gtaattggag gttaaaggga 180
 gttaatccta gtttgaaatt tcatttacga ctgtgggaaa gcttgggctg tgcaaaggag 240
 aaaaatgaat gaccaaagtg aaggccagag ccatttctag ggtaaattgt gtgttgagga 300
 gtcaaataatt gatccggtgg aattttatgc gtagaaccag tttgagcaag tttagattaa 360

ggttatagac ttgtgtgagg tgagaagttg ctccatatnt accccattct cattttctact 420

<210> 8688
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 8688

agcttaggaa cccaaacttg tagcttcaat gctttgaaac atgcttatgg ctaggaatcc 60
 aaaatttggg tttagaatta gaaaaacatg aaaattagga cttgcttggt agaatttttg 120
 ctcaagtttg ggctgccccca tgtttgatac ttacataga ggtagcgtgg aaaaagcctt 180
 gcaatagtat gtatacatag gtaaataataa ggagcatgaa attcctagca aagtgtgaat 240
 gattgtcttc ctaaataaat gtatgatagc acggaattcc cttttgaatg caagtgtgtg 300
 cataatgtaa atagcttggt aatatggata aatgtgaatg aaacaataaa aaaatttgta 360
 tgatatatat ttcaaact atgtaggtag ttgtaaataa aaaatgttca cgatataaa 419

<210> 8689
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8689

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 caacgggaat ctcttcttcc gcaaacgcga tataattgtt ggtgggttata tgattaacga 180
 taccttcaaa accctccact gagatatcat gtgctacatg ggcacgtta aggaccttca 240
 tcaacagcgc acgatgaggc tnggagttta tgagtagttc aagcaaagag atccttgctg 300
 gagtnttatt cagttgctcg actaccttaa actcgctttg ttggatgagg cggaggaact 360
 catgggcttc ttcaaagtc actat 385

<210> 8690
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 8690

agcttgtatc tagccgcctt ttcaacctaa attctaaata caaaatcata cttgtttgtt 60
tctcttcttt caccaaactt ttcataattgt ttatatattgc aatgctagca aaaatataat 120
aatattccac atttttttaa tcaattaatc attttatcat attaaattct ctaatttaat 180
taatcatcaa atattaaaat aatttcttta atagagatta gaacacttgt ttgtgtataa 240
ccccgtaggt tcaatactaa tcggatgata tattaatcaa attaatatac taatcaaggt 300
aggcgtctag caacactcct taacgtccgg atagcatgaa gtaacatttt actttcaaga 360
accattagaa gagtagtgta ataatttctt ccatctttac agctttgggt taactctaga 420
gtatgatatt actgtcaaac ccttttgagt 450

<210> 8691
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8691

cgctttntn tttccgactc tgaagtcata ttttctttta tgtttaaaga tctttgttat 60
aggatattnt atttactcgt attttttgtt ttgttttcaa ttcttgaaaa aattgtcaat 120
aattttattt atttcattat taaataaata ttcttcattt tactagttat tatttttatt 180
taatattctg tatatgtttt ttatatgatt ttatttaata cgttatatat ttttttaata 240
ttttttaaaa atattttata taattattta gtcaagttct gtttaataata ttttgtatat 300
ctaacactta gataacttgg taatcctggt atcggatcta atgtattcgg aatga 356

<210> 8692
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8692

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tgctttgggt tgggtctgtga aatgaaattt tggatgagcc atgttgggtc tctgggttag 120
gaagtgtcaa atgaaatttg ctagtagttt tctgctcacg tgttggagct tttatgcagg 180
ctttggagca atttctgcta gcaatttcct ttgcatctat acaattntca tgacagtaag 240

<210> 8695
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8695

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 accatgcatt aggtaccatg ttcaattatt ntgtttttta gtgaaacggg tttatgatcc 120
 caacatggtt ggctcgtggt gcctaacaca tgaaactaag aatgtagtgt gaagtttcac 180
 gcttccccct tttttgtttt tgtttttag aggaaaacgc aaggatgagc aaacatgana 240
 acaaatggta tgcaatctgg cagatcaaaa agtttgttga acgcatatgc atgatgatgc 300
 catgactcat gcaaaatgtg aggctggaat atgataacgg acaaatgcag gaacgatatg 360
 ttcattatga tgttatgaag agatgcttat gcgatgcatg atatgaatg 409

<210> 8696
 <211> 455
 <212> DNA
 <213> Glycine max

<400> 8696

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 gcacgaaatt gaaggaagaa aaaagggaga gaagttgaac ttttaagttgt gtctcacaag 120
 actcttattc atcaaagtta caacaagtgt tacacatgct tctatttata gactaggtaa 180
 cttccttgag aagctttctt gagaaaactt ccttgagaag ctagagctta gctacacaca 240
 cccctctcat aactaagctc accttcttga gaagcttctt taagaaaatt cctaaagaag 300
 ctagagctta gctacacata cctctctaag agctaagctc acctccttga gatgagaagc 360
 tagagcttag ctacacaccc cctataatag ctaagctcac ccccatgaca aaatacatga 420
 aaataccaaa aaaatcccta ctacaaagac tactc 455

<210> 8697
 <211> 225
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 8697

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caagctgtga atgatagata tgcattcacc agcttgaggg ggagtgttgt gatacattcc 120
ataattaaca cagattntat tatgtacaga ttctattcca ttgtatttct ttccttaatt 180
aggttgcttg cagcatataa ataaatcttg tattcacttc tttgt 225

<210> 8698
<211> 451
<212> DNA
<213> Glycine max

<400> 8698
agcttgactt gatataatgc tcatctatct cttgatttca tgatggacat agcagtagtc 60
tgctttgaca ggttctttgt ctttttttgg cttctgctgc taaaccggtg actgaattgg 120
atatctctgt ttcggccttt gagtgagcac tcgcgattat tgtgctccgc gctggatgcg 180
cgctttccta atgtattatt gtcttgcggt tgcacaatga aaatgcatcg cgaactcatt 240
gattatttga tctcagaatc cactttatct taaagaggag gcttgaagta tgcatttcct 300
atgataaaag agtaatactg aatagctcgg ttttgagctt tagagggggg gaaaaacatt 360
aggtgggtgga gatccttggt tccaacttgc tgagtatttt gatgactaac acatcactaa 420
tacctgtgat ccaagcaacc aaaaacctac t 451

<210> 8699
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8699

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agtgaaaact caacagctat gagaatgttg tctctctacg acaacattgc tagaagacat 120
gttcccgcca aactgggaca gttctctgcg atggtgggtc ttgatttgtc ggagaacaag 180
aatagtggtgac cgctgccaac cgatgccagc aagggacgta cactctagga cttggctcgt 240
cttgataaca tgttttctgg cgagatacca cacagttatg cgaactgcat ggtgctgtcg 300

aagtacaaag tgatctgcaa ccgtatggag ggggccatcc ccgctggact catcaggttg 360
 tgacacgata caatcattga tttgagtagc aacaactnta ccggtccggc tcttgagatt 420
 aacggacatt ctagaaaatt atctgagct 449

<210> 8700
 <211> 456
 <212> DNA
 <213> Glycine max

<400> 8700

agcttacatc taggaaaaca ctggcttaga atgatgtgct tcatgttccc tctatcaaag 60
 ttaaccttat ttctgtagca ttgtggggag aggttggggg aaagatatcc tttgagtcta 120
 ataagatagt tatgactaat aataatgtat ttatggggaa gagatattgt gatcaggggtg 180
 tctttgtact caatgtttct gaagtgatta atgagaatgc atcttcttat gcttacttga 240
 ttgattctta tgatatatgg catgctagat taggacatgt taatccaact tatgttatga 300
 aattgcaaca atcatgttta attaatatgc atgagaaaca cagtaagaaa tgttaaatat 360
 ttgttgaatc aaaattaact aagaaatcat gtccttctgt acaacatgaa attgaactgc 420
 taggcttaat tcattatgat cttgcatatt taaaac 456

<210> 8701
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 8701

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 tgctaagcct aatatgttct agcactaagc cttaaagcag aagaagacaa cttgttcttt 120
 ggctcttag gaataagcat ggagggctta tgcgttgagt atgggatcat ggaccttggt 180
 catgacagtg atgaatgaat tagacttagg agtctaattt aacatgcgct ctgaatttgt 240
 gttttaattg ttataattat aggccctttg ttatttcttc tctaaatttg tgttttaatt 300
 ggtgaatggt atgtgagtgt ttatgaatgc taagattctt tatgaatgtt atgtttgtag 360
 tggttgagac tattctcacc cttttcttc 389

<210> 8702

<211> 402
 <212> DNA
 <213> Glycine max

<400> 8702

tgcctacaac aatcttttaa tatttatgta ggaataataa atcaaagaag ttactaatga 60
 caaaaaaatc aaagaagtta aatataaatt taattttgat caagaaatga caaatgaaaa 120
 ttaatgtggt tttgaaattg ccaagagctg attgaaaatg taaatttatg cacttcgatt 180
 caaagggtcaa ggtaaaaaag aaatagaaca ttacatgtaa atttaatgaa aagaataatt 240
 gaattgtttt ggtaaatgat acgagttaga aaggaggaag tgaaattttc aaataacttt 300
 tttatataaa actattcaag gatgatataa aaactatttt taaaatagtt ttagctgagt 360
 gtcattaaaa taattgtttt attgaaaaat agtagtagat gt 402

<210> 8703
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8703

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 acaagcacat gcacccttgt atgacaaaat acaaagtcac tcaaagaagt ctgtgtattc 120
 gagggtgcaca tctttcacat agttgtcagc ggtgttaagt ctggccaact tgaaggcatg 180
 atttgcattg agtgacaaga gttcatcaa attgtttgtg ttattgaana gcatgctttc 240
 tgaggataac acattgccga ggaatcacta tgaggcatag aagattgtat gttccgtggg 300
 aatgcagtac cagataatct atgcatgcc taatgattgt agtttgtaca taaatgattn 360
 tgtagagatg cgtacatgtc ccat 384

<210> 8704
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8704

agctttgact ngagtcacaa aaagattata aatatgtgat catggcatgg atnttttaaa 60

aaataacaat caagaaatct atctttcaat cttctctctc aacatcattc aactctttca 120
 acagattttt tctgattcat cttctcttca tctttctaaa agtttttggt caaaactttt 180
 tctttcaaga aaagttcttt gataaaaaac ttggtctatt aatctttntc attctcttct 240
 ccctttgcca aaagaacaaa ggactaaccg cctgaattct tttgtgtctc tcttctctct 300
 ttccaagaga attcaaagga cctgcgctga gaattctttt gattcttccc ttccccctaa 360
 acaaaagatc tcaaaggact aaccgcctga gatattcttt gtttccccct tacaagatt 420
 caaaagacta accgcctgag aattctttgt 450

<210> 8705
 <211> 433
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8705

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 cctgcgcaat ttatcaattn tttgagcaag gacagcccc aatgcataat ttgatgcatc 120
 acacataagc tcaaaagggg ctgtccaatc ggggtgcctgg atgatggggg tggtagtcaa 180
 cgctcttttg aggcaatcaa aagcctcttt gcatctgtca ttaaagtcaa actccacctc 240
 cttttgcaac aagttggaca gtggaagggc tactatgcta aaatccctta caaagcgctt 300
 gtagaatcct gcatgaccaa gaaaagatcg cacctctcgc acacaagagg ggtaaggcaa 360
 ttgtganata acagaaattt ntgcaggatc tacttcaata cccttattgg aataatgtgg 420
 ctanaactat acc 433

<210> 8706
 <211> 450
 <212> DNA
 <213> Glycine max

 <400> 8706

agcttaaagt atgcccagat cattcatccc tatgagatgt tgatgaagta ttggcgatca 60
 aaatttccat tccttgatt ataggggtga accaagctca tgcttttaca aaaagggttca 120
 tcaagtcaag ttgaaatatg gaagtaacca tcttgcaaaa ttggggcaaa agatgaattg 180
 agtcacatca ctgcttagtc tactgcaaaa catatttagg attgttgatg tccttgctac 240

ttccagtttc accttgacaa agatgtcatg gaccatgttg aaaatctaaa ttgattcaac 300
 cccatatacct gcgtaaaaat tcgcaatctt caactgtaca tcattcgcat acatccatgc 360
 ttttcattgg ctgcattgct cattgcattc tttccttgaa aaataaaata aaataaaata 420
 aaatgaactt aataattgtt atcaaaaaaa 450

<210> 8707
 <211> 252
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8707

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 gggcgatggg gcacaacaag ttntccacgt gcacaaatcg cgcataaacc caccatcccc 120
 tgttgcccac cttcaactga gctcacgtac tcccacgtag ctcatatact cgattctctc 180
 aacaccgggt gcncatcaat cctgccaaagc ttgcccacaa tgcgagtaac tcaacattca 240
 aacagccaaa at 252

<210> 8708
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8708

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 gcaaacaaat ggaggattgc tttggaaagg aaagagaaat gcatagctcg tttacaaggg 120
 agagaattgc aggtggagag ggtccctatt tgtcacatca atgagagctt tgtgagtgc 180
 ggggtgatgt acgaagatca ggttgctatg ttggatgaac agaccgatca agatcagcca 240
 aattgggtgc aaccatgttt gctagacttt ggattgaaaa attggtagat catagagaaa 300
 cccaagattt atgtttctga tttgatgtaa ttaagcattt ccaggctcta ttgctatgcc 360
 taaggcttta ggattcacat attgtcaggc gtacttttct tttcaattcc agtgatcatt 420
 aataaaatgc attntaaaga catatcccct 450

<210> 8709
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8709

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 gttggacctc ccagaagagt atggagtcag caccactttt aacatttcta atttaactcc 120
 ttttgcaggt ggagctaata ttgaggagga ggaactaaca gatttgaggt caaatcctct 180
 tcaaggggaa ggggatgatg caatcctccc taggaaggga ccaatcacta gaaccatgag 240
 caagaggctc caagaagatt gngctagagc tgctgaagaa ggcctangg ttctcatgaa 300
 ccttagagta gatttctgag cccatgggcc aaggttgggt ccaattatct ntgtacatat 360
 tagactagga tgtcanttat attggtcctt gtatttangg ctccatattg tangtaggggt 420
 accctagaaa tatangaatt ttcagccctt gtattttt 458

<210> 8710
 <211> 261
 <212> DNA
 <213> Glycine max

<400> 8710

agcttcttgc gtagccgctc ttggtgctca cattattcca taaacaaatc cctcttatta 60
 ctagctatctt tgaattcttt agttcctaaa tgtacatcct tcaaattggt gctcggtccc 120
 ctctttgaga atgaggagga tcttcatagg acttcataca gctgatgttt gtcggcaatt 180
 tcatcatcca ccaccctttt cttctgtgcc ttctcacgtt cattattggt aaacccatat 240
 ttatgccttc ttcccttcat g 261

<210> 8711
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8711

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 gaagcatgct tgagaagcta gagcttatct acacacaccc ctctaacagt taagctcacc 120

ccatgccaaa atacatgaaa atgcttagct acacacaccc ctttaatagc taagctcacc 180
 cccatgcta aatacatgaa aatacaaaaa agtcccaact acaaagacta ctcataatgc 240
 cctgaaatac aaggctaana tctataacta ctagaatgac caanatacaa ggccaaaaag 300
 aaggagaacc tattctaata tttagaaaga agagtggacc caaccttggc ccatgggctc 360
 agaaatctac cctgaggttc atgagaaacc ttggtgatgt tctcttggct tctctatctt 420
 tgtattctgg gaagtctctn taattccttg gtcttcatac gaatctctat gtata 475

<210> 8712
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 8712

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 ataaaagttc ttctgattca atttgtgtat ttctaacttt atggtaagag atgaagtaca 120
 aatattggac ctcttgtag ttgttattgc taaatagctt aaacacatat gattgagttg 180
 tgttgcttac taacatgttc tcttctctag ttaagcatct ttccatgaaa tttgtctcct 240
 acctagcttc aattagttgt gttgcttact aacatgtttt cttctctaaa aaactgcatg 300
 tcttgtgaaa agcaattgat aaagacatta tgtttcattt gttatcatgt gattaatatt 360
 ttgtgaacca tacacctttg tacagaatca ttgcattgtt ttatcac 407

<210> 8713
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 8713

tgaatcacia atctgaacct gtcgacagac tctgtggttt atgctcctct gccgaccacc 60
 acacagacct ttagccttct gtgcaacaat ttgaagcaat tgaacagctt gaagcttatg 120
 ctgcaaacat ctacaataga cctcctcaac ctcagcagca gaatcagtca caacagaaca 180
 gaacaattat gacctctcca gcaacaggta caatctcggg tggaggaatc atcccaacct 240
 tagatggctg aatgcttcac cacagcaaca acaacaaca caaccttatt ttcagaatcc 300
 taatggccca agcataccat acgttcttac accaatccag cagcaacaac agcaacagcc 360

ctagaaac

368

<210> 8714
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8714

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ttttttctta tctttttcca tatttgagtt agcttctgac ataggcattt gtggcctaac 120
atgctcttta taaatgtgtg tgctataatg acatttaatt aatagaggat aattcaatta 180
agtattacta tgccttggtta tttcttagct gtgttttagtt tcaacaattg atactatcca 240
atggcctttca cgggcttcag atttttttaa aaaagtgtgt ttgagctgag atggaattga 300
gttataatag taataactta tatgatctta tctgaagttt aaacctagac ttttcagaga 360
cataagggtca tgtctttttt ttttcaaatt gtttaaaga gtcactgcac tcgttgatgg 420
aacaaacgca gtcttagttn tacattct 448

<210> 8715
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8715

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cacaccgttt catctctcta agcgcacccg ttcagctcat ccgctattcg agaaacgctc 120
actaagccga aatcactaa cgtgcgctaa gcagttcgca cgtgcgctaa gcgcacgac 180
atgaacacgg ccacctatct cagcctgtaa tcaaaatttg tgacgggagt ttggactggg 240
attcacaggt ttgcatagtt gtgggtttcta gagagagaca agtccaactt ccacacagtt 300
ttgagagatt tactgcgatga agatc 325

<210> 8716
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8716

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tcaaattttt accatttttg taataaattt tagactttga ataaaaagaa aaaaaagtgt 120
gttttagcaat tttggtgaaa taatttaatt taatataaat taatgtgcta atgatcaaac 180
tagaatgtta ctaacatgtg attacttcac ggtatttcag taagctgtag aagccttatt 240
aaaggcgtgc attcaacatt aggtaaaatt ataacatttc aatcaacaat ataaaatata 300
gtaatccaac atcttaagga agtttaacta taattcttaa tgaccagtca ttattaattt 360
catcatatac ttgactatct attcccaatc acaagcta atgttacattgt ctatttcata 420
acatagtcta agtttttagtt gaattaacta ct 452
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<210> 8717
<211> 505
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8717

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acaattggaa tagaaatcag catttgcaac tagcacctac tgggcagata ataaacttca 120
aacaaattat acatttgaca tactataaaa cttgtactca caaaaagatt aaacagatgg 180
gattgtcttt gtgtgtgtgt gtgcgcgcgt tgtgcatggt tttatggngg tgggtggaaca 240
tgaaagatgt attgtacaca tacattgtaa gtttactgtc ctagcattgt atcttttttt 300
aaaggaaatc ttattaagtc tcgtggaaga atctaacaat gtgagccttt cccaaaaaag 360
tatatgaaac cacacacaaa cacaggatga ttccaggaca aacatgtaaa cttcaccttc 420
cagaaaaactg gttagtaa acaggcatcgt gggttcccaa tataactgct ntagcanatt 480
caagaatcac aacactctta atgac 505
```

<210> 8718
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 8718

agctggcttg tgaagcttct atggaggctg gatctttgag cttcaatgag gtccttcaat 60
ggtgattttc caccatggag atgcagcgga agacaaagga gaagaggtaa gaggcggcac 120
catccactag ggaataagcc ttggaagaag gagcttcacc accaagatga gccttggata 180
agaagctcgg agaggatgct tcaatggagg aaaagaaaga gagagggggg agcacgaaat 240
tgaaggaaga aaaagggaga gaagttgaac tttgagttgt gtctcataag actctcattc 300
atcaaagtta caacaagtgt tacacatgct tctatttata gactaggtag cttccttgag 360
aagcttctnt gagaaaactt ccttgagaag ctagagctta gctacacaca cccatctaaa 420
aactaagctc a 431

<210> 8719

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8719

aagctataaa actaacnatg ttntaacatc ttgaaagaga agatgaggat ctcaaganaa 60
ttcatcaagc tcatttagtt gattntatcc tggaaaccac ttcactgggt gatgtacaag 120
acacctttgt ttgtaggagg tcaaggcatt actagacgaa aaggtatcca gtggacgata 180
aattcttctt aaggattttc aagacttaga agaaagggtg aaatccttaa ccatgactct 240
tgaaaattca gaagtagaac acaaggaacc ccacagacaa atctagtcat ggtttcaaag 300
gcaaaaagggt tgtgcatggt gaagaagtta ctatttggtta tttctatgga aaggtgggtc 360
atgagactca taaatgcaag gacttctcta aaagggcaac ccatcaaagg gttcgttcaa 420
tgcttaccaa caccatg 438

<210> 8720

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8720

agctngaagg tcaagtcttg tttattgctg aatcttaatg tcttcatata ttaaacaatgc 60

cagacaggta tataagtttc acaacaact tacattttca tatattggaa tttatgaaaa 120
 gtctgttaat tggataaatc ttaacgctag gaaaaataaa gatttatgat aaggaataaa 180
 agtgtgctga aaaaggcagg gaaaataagc aacatggctc atataacttca tattctgttt 240
 atccaccggg cgcctttggc ctcaagaagt gtggcaattc ctttcttttc ctttcattgca 300
 ttgcggaacta ctacagttt aagccaacaa tatcaaacta atatacacat ctttctctag 360
 taattcaatt tatttatcat tttatacccc tcctccgatc cttcccacat taagatgcag 420
 catattataa acacaagatc tttagatgaa ttgtgcatat tt 462

<210> 8721
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8721

aggctgttgt caccttctcg ctaagccaat ctgttgtctt agcgagcatc tgctaagcgc 60
 aacactcttg ggctgagcac gaggaagaat ccagaagaag atgagttgta catgttcgct 120
 aagcacaccg cttcatctct ctaagcgcac cgcttcagtt catccgctaa gcgagaaagg 180
 cacgctaagc caaaaatcac taacgtgcgc taagcagtcg gtacgtgcgc taagcgcacg 240
 agcatgaaca aggccaccta tttaagcctg aaatcagatt gtgtgagggg agtttggact 300
 gtgattcaga ggtttgcatg attggagttt ctagagagag aaaggtccaa gttccagaga 360
 gttctgagag attntactgt gtgaagatct gcagagacca gagcttgaag cacgagccgg 420
 cttgagagtc tgagatgaga tagtgagtga ttgtgagatc ct 462

<210> 8722
 <211> 485
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8722

atcctctgag tcacctgcgg catcgcaagc ttgcgaaaa cctctattnt atgaagcaaa 60
 tagggcataa tttagacctc aaacactcaa attctaaacg aatagcacia aacatgtgat 120
 cacatcatgg ggaacaaaac tcctcaatca atttcaagaa aacatgcaag aataaaaaat 180

ccccaaattt ctaggtttct aacattcaaa gccaaacact caattaaacc atccaattca 240
 catcagggca ttaattgaaa tgtcaaacat gagaaattcg ttgttatcat tgtacagaca 300
 taattaaat gcatagaaca ccccaaatt aacccaatt tgatcctcta aggatcccta 360
 cacatgttca ctctaacccc aattgcgata aactcatccc ttacctctat gagggcacat 420
 gtgtgtagtc cagcaactat agcggcatct ctagtggtta cctacgataa actcatccat 480
 taagt 485

<210> 8723
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8723

actcagaaac taagctttta tccaggctca tcttggtggt gaagctcttt cttctatggc 60
 ttattcccta gtggatggcg cctcctctca cctcttctcc tttgtcttcc gctgcatctc 120
 catggtggaa agtcaccatt aaaggacctc attgaagctc aaagatccag cctccataga 180
 agccccacaa gcaagtttcc atcaacctta cgaaaagaaa acaagtatcg ctatgaaatt 240
 cgtaaagtta cgaaaaaaga atcaccaaaa aaagaaaag ggggtgtatt tataaaaaaa 300
 aggggtgtaa tagtaaccag gccacttgg gccttcaga ttcttcctcc aaaagggtgt 360
 tgcttctaga ggaagcaacc tggctcgct gngcgagctg ggtggcaagc tcctccacta 420
 ttctgctcta catagggaga ggagtgaaga acgaagggtt tcagccttct tggcacttcg 480
 tattcac 487

<210> 8724
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8724

agctntgaga aaacatgtga tccttggcat catcaaaaca ttcagcttga tccttgttct 60
 acagatacct ccattttatc atcaacaatg ggcacccaat taccatacag aagttcgggt 120
 caaatacaat ggagcaacct acccaatagc ggtccaacaa caccgaggaa gatatttttt 180

tgcagatgga ctctcagaag ttaggacaga tttaaaaatt tacgagtcta ttatcatcaa 240
 cttctatgcc tgcgataata ataccatctt tgatctacat tttacacctc ccctgaacca 300
 acaaacatgt ggtagaccaa aacttcattg ccgtatacat gcctggagaa ctgaaattac 360
 ccaatgtata ctgggtgctc cccaaccact ggtaatatatac aatcacatta acttgcatta 420
 ttatgagaat tccaataata ttattaatct ctgtaaatga tccc 464

<210> 8725
 <211> 491
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8725

tctanactnt atacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60
 tcttaagaag ggggggttga attaagatat tccaaactac ttccccaatt aaaaatctat 120
 ttcactcttt actcaagtta tgaattccct taatgacaat cttcttaaatt attgattcaa 180
 ataaaacaat ttgaatatga atataaagca ataataaata aaggagatta agggaagaga 240
 aagtgcaaac tcagatntat actggttcgg ccacaccctt gtgcctacgt ccagtcccca 300
 agcaaccgcg ttgagagttc cactatcttg taaattcctt ttacaagttc taaacacaca 360
 aggacaatcc ttcctttgtg tttagaattc ctttacaaca agagactcac agtctcttaa 420
 tccgttagag aatgaggaga agaagaagaa taaatctctc tagaaagaga tggatttaca 480
 gaatgagact c 491

<210> 8726
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8726

ccccccctt acttctcctt ccgcctcgat taataattac aannncaacc ccgggattga 60
 cttgactcgg accaagcacg cgggtgcactg aacaggccta tgaaaaactt tggattcatg 120
 gagctactgg gatttaccct tgggaacaac ttagactttg atcaaagaaa agagcggcca 180
 cccattggga acagtaataa catacccggtg tatgacaaca aacgtacaac gaggatactt 240

acggaattca cgaagctgta gaagccctaa caaaggcggg cattcaacac taggctcaat 300
 tatcacattt cgatcaacaa tatcaaatat agccatccca catcttacgg aagcttaact 360
 ataattctta aagaccagcc attactaagt tcatcatata cttgactatc tatngccaag 420
 cacaagctaa tgttacatcg cctatgtcat aacatacgct aagttctcag cgaactaact 480
 actaagtctc cacg 494

<210> 8727
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 8727

attcatcaag ctcathtagt tgattttatc ctggaaacca cttcactggg tgatgtacaa 60
 gacacctttg tttgtatgag gtcaaggcat tactagacga aaaggtatcc agtggacgat 120
 aaattcttct taaggatttt caagacttag aagacatgtt gaaatcctta accatgactc 180
 ttgaaaattc agaagtagaa cacaaggaac ctcacagaca aatctagtca tggtttcaaa 240
 ggcaaaaagg ttgtgcatgg tgaagaagtt actattagtt atttctatgg aaaggtgggt 300
 catgagactc ataaatgcaa ggacttctct acaagggcaa cccatcaaag ggttcgttca 360
 atgcttacca acacccatga gctaa 385

<210> 8728
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8728

agcttgtaag ataatcatac aatagttttt gctgtcttgt gaattgatta tgcttcaaag 60
 tcctataatt gactgaggaa acgctttgaa attctgcaaa actaaggaat gggaaatcaa 120
 tgcaatggga aagacaaaac gccaaacttta cagcttatcc tcagtgtagt tgcttcaag 180
 ctcaagctgt atcacaaata tntatctcna aatcattcaa gattatgagc gcggacaaat 240
 caaacacgta aacacacttt aacaaaccaa atgcttgctt tgctaaaaga tcaaaaagac 300
 tcgatactag tattaataa tgtttgtctt tactagcata tatacatagt aggagtaatt 360
 gattaaagaa gtacgcataa aataataata taccgtaaga taaatccatc acaattcact 420

gttcctttcca accggttaga ttattatgtc tt 452

<210> 8729
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8729

taacccaac cctaacccta tccctatcca tcacctgat gctgaaattc tccaccagtt 60
caacgagaac gataccgaga accttcggtg cgatggaggt ggagggtcca gttatcttcc 120
gatggataac gacgcgataa ggtcgttttt cccacaacg acgtcgtcgt tggttcactt 180
ccagagctac ccaccggatt tgctttccag aaccagtagc caggacctgc gtctctcgtc 240
tcagtctttg caagaccggg ttntgcttca ccagaatcac cacaacaacg agcacgtgct 300
ttntgctgga accgggtttg aaaacatggt agcgtggaat agtagtagta ataataataa 360
taatactgct tctaactgat acttggtggcg ggggtg 395

<210> 8730
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8730

agcttctatc tttntatatg cctaacttat cctatggact ccgagcaaac gagcacggac 60
ccataggtga acgcctgatt ttcttgtttt gagaaaaaaa aaaaaaggat gcacaggggt 120
tgcttgctg ggcaagcacc ccttgcacga aaagggttaa aaggagaggg aaggggtag 180
tttttcccc aaaacttctt catctcatcc aaaaaacgta agctcactgg atccctcgga 240
ttccagcct taggtcacca tttctctgca ttttttgatt ccattctgtg ctgttattca 300
tccccacaa gagatggctc tgaagaagct ctccacaaag aggtccagga gggatgccca 360
tggggaaagc ttcaatgcct ttgtggagtt cgaca 395

<210> 8731
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 8731

```

ggactctgac ttgtctgggg gagttgtctt catgatctaa caagttggta taaaattcct   60
tgaccagngc catatctatg caatcatcag gttgcctagt caaggcttta tgccaccgcc  120
tcctctcgag ctcatccgg aactcatcat actatgtcat atacaaatcc acattcctct  180
cagggaggat attcctggaa tgtacattct gtcgtacct atctgaagcg acctcgga   240
caagtctagt cgtatcatag ggttcttgag gtcgggatgt ggatgatttc ctctgtttgg  300
aggccatctg catcaaaaga atcacaggan agaaagttag acaggttnta ttcaagactg  360
anagcagana aataaaacag gataaaggat tgggcgctta gcgagacaga ctcgcttagc  420
gcaccttaag aaaataacag catatgctta gcgcgcangg cgcgcttaac gcgtcaacat  480

```

<210> 8732
 <211> 608
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8732

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ccacacgctg ccgtatctgt cgtaactntc nctctnctac atnangtttt tanngctntc   60
ctattttctc tttttcctag tcnatcgacg ncacattgag acttggagtg tctncattcg  120
agatcctaga aagngacctg cagcatgcaa gcttgcatnt acaacaatat atcttataaa  180
taatctattt aatgaatcca aagggtccaga acatataacc ccaaagataa ctttatcaca  240
gaggcacaaa ttcctatgat atgtccgcct actcattaaa attacactac tgccctagctt  300
taccaagctc cgctcttaaa cttattttta gttttctagg cggcccataa gccagttttt  360
catgaatctt atatgttacc ctacatttta caccctaaaa actcactttt aaagtcaa   420
ttttaataca aacaatccac aaatccataa cagttagttc aatatcctga cagatgtatt  480
ccttagactt aattcattca taacgtttgc tagaaaaaac tataagttgt aacacccaaa  540
aaaatcactt ttaattgtac aatctcaaga agaacaacat atcaaacagt tccaacccat  600
gtagcacg                                           608

```

<210> 8733
 <211> 297

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8733

aactctttnt atagcagatt tggttggtgct acttcacaac cccttgaact acttcacatt 60
gatttatttg gtccctctag aactatgagt ttaagtggaa attactatgt ctcggttaatt 120
gtggatgatt actcaagggt tacttggacc ttgtttataa aaactaaaaa tcaagctttt 180
gatgttggtc gcaaacttgc caaggtgatc caaaataaaa aaaaagggtct ttacgggtgtt 240
tcacttagaa gtgatcatgg agatgaattt accaatgagt cttttgacaa cttctat 297

<210> 8734
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8734

agcttaaggc ctgtttccat attcaaatca aatcagtgtt tcgaaagttg ctttttttat 60
caagtccatg caaaaacata tgaattcatt tgggttttgg gaaagtcctt cattgttttt 120
cattctcaat gttttcaaaa caattctttt gttgtgttct gattgaaaaa taagtttcaa 180
aaatactggg tgttgattct tttcaaagca tggtatattc aagaaaaaaa aatttgctta 240
agtcccaaaa agagttataa tctataacta tactaataga atatcaaagc acacgtaagt 300
tttttaaaaa attcaaaaca ataaataacg taataaagta ctgaaattta atgcaaagcg 360
ataaataaac ataaagacaa cttcacgaat tttcaaagat catnggtgag gagctcaatc 420
tccttgatga tcatggttga ggagctcagt ctctt 455

<210> 8735
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8735

agatgaggaa gtgtggaagg gtgaacttcc tgctcttatt cgttgaccac agagtgggtac 60
ctggagatat gtcgcgaggg tcaggagacc ttgggggatgt cangtggggg gctattgccc 120

aaaaccaagc ttgaccaatc ccgacccaac ccgggcatag ttgggtcagtg agaacctgtg 180
atgtacctaa acaggcgagc tcctggaagt caacagataa aaggaacaga gaccaccaca 240
gcagaaggct tgtggtggct ggccagctat gaacttgatn gatgtgtgag atatggcctc 300
tggtaatc 308

<210> 8736
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8736

agcttgaaat gaggaagtgt ataagggtga aacttcctgc tnttattcgt tgaccacaga 60
gtggtacctg gagatatgtc gcgggtatag tcagtcagtg agaacctgtg atgtacctaa 120
gcaggcgagc tcctggcagt ctacagataa atggaacaaa gatcacaaag caaggaggct 180
tgtgtggttg ctggccagtt gtgaaacttg attgatatat gggatgtggc ctctggtaat 240
cgattaccaa ggggtgggtaa tcgattacat ggcttacaaa gtgaagacag gaagctaaga 300
tggcctctgg taatcgatta ccaaggggtg taatcgatta tcaggccttga aaatgggatt 360
aagaagct 368

<210> 8737
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8737

gacactataa aactcaagct gaaggatgct tcaatggagg aaaagaaaga gggagataat 60
gatagaggng ggagcacgaa attgaaggaa taaaagaggg agagaagtgg aactttgaag 120
tatgtctcac aatattctca ttcacaaaag ttacaacaag tgttacacat gcttttattt 180
atagactagg tagcttcctt gagaagcttt cttgagaaaa cttccttgag aaacttcctt 240
gagaaagctt tcttgagaag ctagagctta gctgcacaca cccctctaata aactaagctc 300
acctccttga gaagcttcct tgagaagatt cctaaagaag ctagagctta gctacacaca 360
nccccataa tagctaagct caccncatg ccaaaatata tganaatata taaaaaaaaa 420

gtccctaata canagactac tctaaatgcc ctgaaataca aggctaatac cctatactac 480
t 481

<210> 8738
<211> 449
<212> DNA
<213> Glycine max

<400> 8738

agcttctata gaggctggat ctttgagctt caatgaggtc cttcaatggt gatttctcgc 60
catggagatc agcggaagat aaaggagaag aggtgagggg aggcgccatc tactagggaa 120
taagccatgg aagaaggagc ttcgccacca agagagtgcc ttggataaaa agcttggagt 180
gggtgcttca atggaggaaa agaaagagag agagagaaag agagaggggg gagcacgaaa 240
ttgaaggaag aaaagagggg gagaagttga actttgaagt ttgtctcaca atacgctcat 300
tcatgaaagt tacaacaagt gttacacatg cttctattta tagactaggt agcttccttg 360
agaagctctc ttgagaaaat ttccttgaga aacttctttg agaaaaattc cttgagaaga 420
tagagcttag ctacacacac ctctctaatt 449

<210> 8739
<211> 507
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8739

cctcgggtaa tctactacgc ttccagaact ttggatgcta cctcaagcaa attacactac 60
cacagagaag ggagctatta gcgatagttt tgctcttgag aaatttcggt catatttact 120
tggtacttgt gttattgttt atattgacca tgcagctctg aagtacctgt tgaagaaggc 180
tgaatcaaag cctagattga tcagatggat gctttggctc caagagtttg atttggaaat 240
ctgtgatcga agtgggtgcac ataacctcgt ggctgaccac ctgagtagga ttgagcatgc 300
gtttgaggac tcacccattc gggatgtttt tctgaatgac catttgtaca ttntgtatat 360
tattttctaatt tccttcccca ctccttggtt tgctaataatt gtgaattaat tggttgcttc 420
tattttgcct tccttagtat ctaaagctca caatgatana attaagagtg atgctaagca 480
ttataattgg gatgaccccc tattgtg 507

<210> 8740
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8740

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agctntacaa aagttacgaa aaaaaggtag tcttacagtg ttttctttat aatttgtttt 60
ttattttctt tatctcatca ttcattttta tgatttttct attttttgaa tctctccttc 120
caagttatat tatttggtgt ataaaagctt tataatcagta tatatagtta taaacctttg 180
gagatataag gtgagttcaa ttattaaggg aggagggaac ggagaaaaat ctcataattgg 240
accaatttta acaaaaacta ataatactga taattaacat ttgtcataaa aaaaactttt 300
gggattcatt cgagaaagtg aaaagaaatg aaataaaagt gaatttagat aaaagttttg 360
aattaaaata gagagtaaaa gtgtgagtct caccattgtt aggtctagat gaccactcat 420
cttatccacc ttgacttttg atgtataaca ataaatataa a 461
```

<210> 8741
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8741

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tatttgctta acaagccaac ttacaacagc aagctccaag agactcagca taaggatgca 60
caggccagag ttgagtatgt gaaaatattn tatgaccaag tgaagggtgca aattgcaaag 120
aagaatgaaa gctataccaa gcaagacaac aagaaaagga aggaagtggg acttgaaccc 180
agtgatgatc ctggacattt gagggcaaat gttttccaag aaggagggaa tgatgagaat 240
cctgaaactg gcaaaatata ggctaaaggc ccaagtggag aaggacgaag gcctaagtgg 300
agaaggacaa agcccncgag tggagaagga tgaatgccca gaggcagaga cattatcaag 360
actattaatt gttgctgaag gcccatatta atttgaaggc ccataataaa tatgttctaa 420
ttttaattaa taatttta 438
```

<210> 8742
 <211> 463

<212> DNA
 <213> Glycine max

<400> 8742

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caagcttcac ctttggtcct cctcatagtt ggtgcatgag ataacatgct ctattttcat    60
ctcccaactcc aagtaggcct ccggatcatt ctttccttta aatggaggaa tgttgagttt    120
aataccatca attcggttct gtctaggaac accatcattc cctcttctcc tcctttcttc    180
ttcattatga tctctattct ccatttgatt caacctctca tggagcgcac catctcgttg    240
tttcattaac ctctccaaat gttgcatcaa agcttgcatc tgggaattgag aaagccccac    300
tccatcatta ggattagtag ctgacatctc aaacaaacaa atcaaatgta acaagacaat    360
tatagttgct gtttgaatac ctcacccact caagtgtatc acacaattat ggcttttctc    420
taatgaaaca ctcttgcttt ttaccactct aattcccctt gag                                463

```

<210> 8743
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8743

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catatgtatg atctaataat ctgctatttt caactcagac attctcatte tgtgacttgg    60
caactgcaac tagaaattnt tgagctgaat gtcttttggg agagggaggc tttggttagag    120
tatatgccat taggatgcct ggaagaccac ttgcatggta tttgcatttc aactattcaa    180
gttggtttat cccttcttta atttatatca tcttgaagtt attattgggt atatatgttt    240
gatttgcaga tattctctct ggcaagaaac aacttgactg gaacactcan atganaatag    300
ctgctgggta antacacatg aagt                                324

```

<210> 8744
 <211> 456
 <212> DNA
 <213> Glycine max

<400> 8744

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agcttcaaga aaaagatggc ctcagcaaatt tccttatttc caaaaggtaa ttctatcaat    60
agacctccaa tctttaatgg agagggttac cactactgga aaaccggaat gcaaattttt    120

```

attgaggcaa tagatctaaa tatttgggaa gccatagaaa tagggcctta tatacccacc 180
acagtggaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac tatagaaaaa 240
cctagagata gatggtctga agaggataga aaacgagtac aatacaactt aaaagccaaa 300
aatataataa catctgccct gggaatggat gaatatctca cggtttcaaa tcgtaagagt 360
gctaaggaaa tgtgggacac tcttcgatta acacatgaag gaactacgga tgttaaaaga 420
tctatgataa atgcactaac tcatgagtat gaatta 456

<210> 8745
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8745

ngagatgagg aagtgtagaa gggtgaaact tcttgcnttt attcgttgac cacagagtgg 60
tacctggaga tatgtcgcgg nggtcaggag accttgggga cgtcagggtg ggtgctattg 120
cccaaaacca agcttgacca atcccgaccc aaccgagca tagtcggtca gtgagaacct 180
gtgatgtacc taaacaggcg agctcttggga agtcaacaga taaaaggaac aaagaccaca 240
aagcaaggag gcttgtggtg gctggccagc tgtgaaactt gattgatatg tgagatatgg 300
tctctggtaa tcgattacca aggggtgggta atcgattaca aggccttaaaa atgaagacag 360
gaggctaaga tggctctctg taatcgatta ccaaagggtg taatcgatta ccagggttga 420
aaacgaggtc aggaagccat gaaggcttct ggtaatcgat tactgatcga ggccgtaccc 480
gaatcanata aacatta 497

<210> 8746
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8746

agctngcatc cncattnttc tttattcctt caagctataa aaataaaaagt attattaata 60
ccatcaaatt aaaccaatat atagttaatt aaaatgatca cattaattat atgtcacgcc 120
atgttcccaa caatactgcc tgataattaa aactaaaata aatacaaaac tcatgctttt 180

aactattagt atgattatga ctattaaatt ttttttttga aagacattat gactattaaa 240
 atttaattaa aatgtcagcg tgatattggt atactcagac atgatgaata ttcaaaagta 300
 gagggaaatat aattatgatg gtgaatgatg gcgatgggct ttcaaatgta ggtgatgatg 360
 tatgggtggt ggggtgttata cccatatgat gaggatgatt gagttgtgaa agatgtgcat 420
 gctgataatg aaatgaacaa taattttttt cttaacacaa tg 462

<210> 8747
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8747

cgatgctgag ggggtgcttgt ttgatcggtc aactcattnt tctgagtagt gcgttacact 60
 tttattattt gttcatttca ggttcaacac tntagcatat ttgcagcaaa tatgggtggtt 120
 tgaggtggat ggggagttca gcttcccttt tctgctgat atttatactc tctccttttag 180
 gcttcacctt ggacgatttt ccaagaggct tggtcgacgt gtctgcagtt atgaacatac 240
 ccatggttgg gatataaaac cagtgcagatt tgagttgtca accatggatg gtcagcaagc 300
 atcatctgag tgctacttgg atgaaactga acctgatgat ttacacggca atcacaagcg 360
 tggacattgn gtagattaca aggtgggtga gtttatcgtc agtggatcag aacctacaac 420
 taaagtaaga ttcttcatga tacagattga ttgacacact ct 462

<210> 8748
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 8748

atgctgactc accataaacc ttgacctatg gtgataatgg caatccttac cctcggaagc 60
 atgcaagaat atatgggatc tttccggtct tagaaaagag atggaatatt tccaatgaaa 120
 gaggaaaaaa gaaaagaaag gaaattccca atcgaagagt gggagaaaaga aaaagaaaag 180
 agggagaatt cccttcccaa gaatgggaga aagtaaaaag ggaaggaagc tcttgggtcaa 240
 agaaaccaga gaggtctttg gaccagataa tatctgaaca gtacagaatt gtcaccaa 300
 gaacaaaaag gaaggaaagg aaaccacgac ctagaatggg cttctccctt taattaccaa 360

ccaaaatccc gtgcgctagc gacccttttt tctcgcc

397

<210> 8749
<211> 420
<212> DNA
<213> Glycine max

<400> 8749

atgcacggag aatgtaatta tgaagatgag atgcccgaag atataccatt ttctagttca 60
ccatgcatta tgtaccatgt tcaattatgt tgttttgctg ttgtgagttc ttgttagaaa 120
tgggtttatg atcccaacat ggttggtcctaa ccatgcaac taagaatgta 180
atgtgaagat tcacgcattc ctttttttgt tttgttgtgt agaggaaaac gcaacgatga 240
gctcacatga gaacagatgg tatgcaatgt tgcagatcaa caagtttgat gaacgcatat 300
gcatgatgat gccatgactc atgcagaatg tgaggctgtt atatgataac agacaaatgc 360
aggaacgata tgttcattat gatgccatga atagatgtgt atgcgatgca tgatatgaat 420

<210> 8750
<211> 344
<212> DNA
<213> Glycine max

<400> 8750

taatccctaa tctctcttcc ctctgtggcat catcaaaagg ccaaagtgca taagacatac 60
atgactttct tcttaaaata tcagtcgcat aacatccatc gataattaat tataaaagat 120
tctaattctag acatcaaaag agacatgaat aagccatgga agaagttaaa ccacataatc 180
tataaatggt cactcatact acgcaaatat tacaagaaat actaaatggt caaatgtcat 240
aataacatat ccaaatacac tgcttgagat cagagtaaag taataaaaat atatatcatt 300
tagagaagtc actagcatct agcagtccta attctcttct aata 344

<210> 8751
<211> 253
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8751

tctctgtaac aatcaagtna gatatcctct ttcaaggaat gaggctcatg atgagtaaaa 60
atggacaact taatataagt atggccagca agactcttgt aataatatat aaatgattgc 120
tcacgatgag gacttgtgca ttgaggagac aaataagaag aaatagtgcc ataatagctt 180
tcagacaaat aaccacaagg ttttttatat tagtagagaa tctgacagga tctgcaatgc 240
tctgcaatat gtc 253

<210> 8752
<211> 453
<212> DNA
<213> Glycine max

<400> 8752

agcttgtata ccgctccacc cagtgaact tcagttgact ggccccataa aatgacaacg 60
ctactagcga agtcatacaca gttattgtgc tgtaaagca atgtgtgaag cttggtagt 120
aatgaatata taaacaattt ttatttgcaa acttaattgg catctaaacc agagtagcat 180
caaccagat taagaaactc agggccttta agatttgtaa tcttttagtg cagaacagca 240
ttcaaaattc aaatacaaga cagaaataag gattcctata tgttccatca accaacctga 300
atttcaaaaa agtagtcaag ggatctagct gaattgttaa ccatctttgt ttagcttgga 360
tggcatctca aaattcaagt agtttgtggt accaaagaga ggtttgtcag acagacatga 420
tgtcttatta gaagtcttag cataagttgt cat 453

<210> 8753
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8753

ggtatatctg anagataaat canaagtaac taataatgca ttctgacgtc tcctacgtac 60
ataaaacgcc gtttacttta taaatatagc gtcttgggtc tggatgtgat gtcattatga 120
gtgctcattg cttcctaatt ttcttttgag ctagttcctt ttcaaagttg aacctacaca 180
tgacgggagt acatagaata ataataaaat gttagttaag ctaataataa aattcttctt 240
tattagtttc ttaattgaat aaaaaataaa taatagatat aataaataat ttgataaaaa 300
gagaaaaaaa taaataaagg aacaaaaggc aaacaaactg ttgaatcgat atggaaaccc 360

ttagaagcag cttagcctat aaatagaagt tagtgaatng aattgggtgc atncatantg 420
 caaattgaag ttaaaggatg aatatctata ataacattc 459

<210> 8754
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8754

agcttattat attgtgcacg ccatgggtgca ttgttaatta aactacgcac ganagctacc 60
 tatataaagg tgtaatgaaa gtccaccata tacttaaagt tggcataaaa tgtgcttatt 120
 cagccacctg tatgtgtatt tgtagcagaa atgaatcggg taagaaacag aacttaatca 180
 aaattatttt gatcagcacc tgtttattag ttatgctttt gagtgtagca ttcattattga 240
 tatttgtttt tcggaatgat gattgatgta agtggtcatt cagttatttc tttgattctt 300
 gctttcattc tggaccgtgt tgctcatcat cacaggcca aatgcttgat accaatgaat 360
 attgttatta cgtgttcact gtcattaatg acaattgata tatgctatac aaattggggt 420
 catgatgagt gaaccttata ttc 443

<210> 8755
 <211> 413
 <212> DNA
 <213> Glycine max
 <400> 8755

gttgcgattc attctatgta cccgtagtgg tccacattgt gtttcgtgca tatttattct 60
 cgttgtgggt actttgtata cccctgttg acgtgcttaa gccattttac ttaagtcatt 120
 tctcgcttaa cttaaaaata aaataaattt ccaccgaacg ttcgaattgt attatgcatt 180
 aacttcggct aaaataaatt acgactgttc ggtcgtgccg taaccacgtt ggaaatcaaa 240
 aagaggtaaa aaataatata ataataaaaa aaaacatctt tttagtgaat taaagcggaa 300
 aatcaatcgg acgttgtctc tttgggattt ctcatctta atcgaattga ttaataacta 360
 aagtgaact aatgctaaga tcaactcacc tagtcaagct cgtccacaaa aat 413

<210> 8756

<211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8756

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agctaggctc tagaccttgt cattggatcc tataactcat gaagtgcttc taggccctta 60
tactctttga atatctcgag aatgaacaat ggaacatctc gagtaattca aatggtcata 120
acatttcaat cgaatctccg attctagcac gtaatataatt gagacacttg aaatcgaaca 180
tgaaagctct cggaatttc aaatggccat aacttttgac tatatgattg aggcccatga 240
tatttccaga cgctcaaaat tgaacaacgg aagctcttga gaaattcaaa tggtcataac 300
ttttcacttg gatgtccgat tcaagcgcat aatataatcga gacgcttgaa attgaacaca 360
aaagctctga ccaaattcaa acgaccataa ctnttcacat ggataatcga ttgatgccca 420
tgatatatcg agacgctcga caatgaacaa c 451
```

<210> 8757
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8757

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tctgcataat tggagagttc tagagagaga aaggttcaag ttctagagag tctgagagaa 60
nttgttgtgt gaagatccgc agagaccaga gctggaagag gaagccatcc tgagagcttg 120
agatgagttt gtgagtgatt gtgtggctct agaggtggaa gagacatccc cactacttgt 180
atgtctgcaa tctttcattc tcttctcttt gttgtaaagg aagctttcca gttatggaaa 240
gttaaactct ctgttggatc ttcttggtaa gtacttgatg taaatatctt tctatctatt 300
taatgatgtt ctgtgtgttt actatgctat cagaacttca ttctaccatg cttctgcctt 360
gatcacgtag atgcatgtgt tgtaggagatc attcaacagc ggaaattggg ttgaatctta 420
taacttgata ggacatg 437
```

<210> 8758
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 8758

agcttcacca ggaagattat tgaaatatgc tataaagaac taataggaat cataacctat 60
ttcataaacc caaacatata agttctccca aatgtaccct cagtatcttc ctccacaacc 120
ttctagagct aaataaaata acaattaccc taaacctaata tatagaatta gagggaaaat 180
actccttaag atgctataaa aataggctgt aaactgaaca cactgactgg ttttaaaatc 240
aaagctacaa aagataatct tccagcaaga tgcaacacaa atatccttat gacattaata 300
tgatagctgt ctgcaatcac cttaaagaag tctcttcatt ntgaagatca taagaatgat 360
tacattgtga ttccttctct ttagaatgta aaggctcttg tgataggcca gacaaatgac 420
aatagctggt catacctg 438

<210> 8759
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8759

tattgtatnt atctatctcc caatgccggt gtaaagattc atcatataaa atgcatgaag 60
cttgaattct agatgagtgc ttaaattgcat gggcataaag atatcattct atgtctagca 120
atgattatct tatattatct tttctttntg ttctattaga agttaccctt tgtcgagcgt 180
gtaaccctta aaactaatgc atgcacacct tctttaaatc ttatttagaa gttaccctcc 240
gtcgagcacc taactcctaa aagaatgtaa agataaatgc atgggagata aatataaaag 300
acaatcggat agaaaaacac atgttggtgc attgataaat aatgaagagt acatcatata 360
tcgctntggc tttangcctg ccagacccta actagnggtt taacctctca tggccattga 420
nggctntaca ctggat 436

<210> 8760
<211> 421
<212> DNA
<213> Glycine max

<400> 8760

agcttcctag acgactactc cggatacaac cagatcagaa tggatcctct agacgaggag 60

aaaatgacat ttatcactgc ggatgccaac ttttgctata gggtcatgcc tttcggccta 120
 aaaaacatag gcacaacata ccaacgactg atggatcgag tcttcaaaca acagatcaga 180
 ctaaacattg aggtatatat ggacgacatg gttggcaagt ctcacagcat accccaacat 240
 gtggtagacc tagaagaagt cttcagggaa ctccgcaa atgacatgca cctcaaccct 300
 aaaaaatgta ctttcggggg tggcggaggc aagttcctca acttcatgat cacacaccga 360
 gggattgaag ccaaacctga caaatgcact gtcatactgg agatgcgcaa cccagccaac 420
 a 421

<210> 8761
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8761

ggggtcttcat cgtccganaa gggtattnta gtcatttata ttttttaatt gattcaaaat 60
 aatgttttca tctatcta at gttgacgttg ttaatagata agataccaat gtctaagaat 120
 ctaaacaaaa tgtaagtttc tttctgcttc ttctcctcc tactcctagt tccttcatgg 180
 actaatatga gtctcatcaa taatgagata actctcattc aaccaatctt ctttctcttt 240
 ctctacatc tatcacacaa ttctntaata aatatacaaa ctcccatgtg attttttagt 300
 tctaaagagg tagaagaaca ggatggngat tgggagaaat gagatataaa tattatgatg 360
 gttgttaciaa gcttatatt 379

<210> 8762
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8762

agcttatttg ttattgtcag gcggaatttg aaatcccaga ggcttctgac agtagcacga 60
 anagaagttt cttcagactg ttggcaagag atggaagcag tttaa atcag acctcaagag 120
 gaaatgggcc cttgcagtcg atcgggatgg tgtggacgac actatctgtg agaaatattg 180
 cataagcaag gaaaaatggg ctcatgtttg ccagactcgc agagaccctt cttgggaagt 240

atgttccttg ccatttaagt tgtttttcaa aaaacattaa cttgttatac ttcattctag 300
 caatttgaaa gattattggt ttatttttgc aggatgtgtg caaaaaggca caggccatcc 360
 agaaacagaa cactgcccct cacgttntgt cttgtgnggg ttatgaatat ttggagcaga 420
 agttcctggt tgagaagacc atg 443

<210> 8763
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8763

tcactatngg cataagaatt acacattaat aagaccactt ggaatgatgg acccatctat 60
 aaatgataaa caaanaatg acatgactca ggatgtggga ttacatcctt taatatacaa 120
 ccatgcaaat ttctatttgg cctttggcag cagctagctg tttcattagg ttaagcactt 180
 ctaatacttt tgaagccaac tgatctttat acttcttatt cgtaaacact gattcatcaa 240
 ttgttcctt gtatctacaa cggaaagaat ccagctttgc ttgtgttcca cggagtctca 300
 ttctgagctt agccatctct ttgttgtttt ttaggccacc ctgtcaaat taaggtaaaa 360
 acagtttact atgatgactc caagttgagc acagaactca gcatgaggtg gaccaataac 420
 tggtaagcca aacacgtaca atctgaataa cagacatgc 459

<210> 8764
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8764

agcttatgat aaacttgaga aggtttgaac ctcatattag ttgtggatga tcttcatatt 60
 ctattgtaga aagcaattta tttttggcct catgtctgtt cagtatcttt gaaattttcc 120
 tgttagcata attactttta ttttctcatt agtaaatgat agatttataa gccaagatta 180
 tcatttcaaa tatagaatag ataattnttc tttattgttc tcatggcaat tcttacta 240
 ttaaaaaata tactttcaac atcaatttta aaaccgatgt tgaaagtacc aatgttaaat 300
 gtaatatgt taacatcggt tttgaaaaac cgatgttaac ataaaaattc taacatcggt 360

tttcaaaata aacgatgtta tatacaaaga actacaacaa aataagtgtg tgcataatga 420
atattgacat cg 432

<210> 8765
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8765

tacctgcatt tatatatata aatntattta tgtagatta tgcatagtgg ttttagaacc 60
ttgccattta tttaatgtat gtacaacaca ggacagagac cctgaataat tntgggtggtt 120
cettactcct tagttttatt agttagttnt attgctaatt gtctctctgc tttggttntg 180
gctgtatctt cttttcttgg ttgatacctt attcagatcc cattaacact tcactttctc 240
tcgtggaaaa antatttggc aaacaaaaaa acatttataa aaaagtatga actatgtaga 300
ttagcatctt tccaatttca catctcatgt taaaaaattc agcttttttc tcagtcttga 360
ctttcgaaag tgtacctttc caatatgt 388

<210> 8766
<211> 115
<212> DNA
<213> Glycine max

<400> 8766

agcgttggtt attctcttgt gctacaaaca tattttgccg ttttggcggc aataactggc 60
cactgagcga ggatgtcatc acggctctat cacaggcgac gtacgagctc ggcgt 115

<210> 8767
<211> 216
<212> DNA
<213> Glycine max

<400> 8767

gagggagagg atacgcatct gtgcggatat tacaccggat aagtgcactc tcagtcaatg 60
tgcttgatgc ccatctggag cgatctcgtc cccgctgcac cgtgggagac actagattct 120
gctttggatc tctgcagcac cgattgaggt actctctgtg tccatgtaat tttctaacgc 180
cacaatttat atacgtatcg tcaccaaggt cgggtg 216

<210> 8768
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8768

agcttattgt aatggattac acaatntaga taatacaatg attgatattt aaagagtctc 60
 tgctttaatc gattatcaag agatatatcg attacttctc tcttaaataa tgtttcagaa 120
 gtgatcaaga acactttaat cgattacatt gttcttgaaa gttttccagt ttttgggaga 180
 aacactttaa tctattgaaa tgataattaa tcgattactt ctttgaaata atcgattaca 240
 ttntatattt aataaattac aggagtattt aaccgttttc tctataaatt gtccccttgc 300
 gttcttactt ctaacaactt ttgaatgagc tagaattatg agctcatatt agtaaaacaa 360
 agaacgaaag aaaaagtgct ttgatacagt gtgcctcaca acttctaatac tttgattata 420
 aagatcatat t 431

<210> 8769
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8769

ggtgtagcac taccactgc agaagctgaa tatattgcag ctgcaagttg ttgtgctcaa 60
 agtctctgat gaaatcctat cccccaaggg cataggatag aagactccaa gaagattggg 120
 ccagagatgc aagagaaggc cctaggattc tcattagcct tatggtagat tntgggceca 180
 tgggctaagt atgagaccac ttatctttgt acatattaca ttaatgtttc attatttttg 240
 gcctttgtat ttaggactcc ataatgtagg tagggtagcc tagaaatgtt ggacttttca 300
 gcccttgat tttatggcac ctagactagt tntttgtatt aagggtagtt ntgtaatttc 360
 attcgatta agtgaatatt tgatgtgtgt gttgngaaat aaatttaatac gaattgggag 420
 aagcctaatac caattaaatt ntagaggggg aggtgagcat tngcttgcta cacnccattg 480
 ccacatcata tagtcaca 498

<210> 8770
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8770

agcttcatac cctgatatta ttcataaaaa gcttatcaag ataaagtatg gaggggtcaa 60
 accaattata tcaacaaaat aacactcgac agaatctata agaaggtaaa cctaatttat 120
 tatgaagaaa atcctctgta atgaaattag gtaaactatg ccagcatttg aatccaacat 180
 ttgtaactcc aaaagatgcc aaaaaacgca tacggctgat aacatgaaaa caactaaatc 240
 aacattaatt nttagataaa tgggtatttt tgtccctaaa tatgtacata gagagtgttc 300
 acaaattagt cttcctaaaa atttaaattt tagttcctgg aaggaaaaaa agtacaacaa 360
 atttatccct tcgttaattt tcgtttgtta ccattaacga aaaagaacat acatgttaga 420
 ttcattggacg aatntgtcag tactttgaaa tgaaaatgac ta 462

<210> 8771
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8771

tcatgatgat gaaccaagca atgttgatga tgccaaaagc cctagtgatt gattcaagaa 60
 tgattcaaga cttcaagatc aagcatcaag aatccaatcc aagattaaag attcaagaga 120
 agaaatcaag aagcaacaag tcaagacttc atataggata agtattaaaa tattnttttc 180
 aaaaacccaaa tggcacagtt ttgttttaca aaaagaattt tctcatattt tctaagttac 240
 gagagtgatt actctctggt aatcgattac tagttatcag taatcgatta ccagtgaacca 300
 gtttggtttt caaaatgttt tcaaatgggt tgcaatgttc gaaaatgatt ntcaaatagt 360
 gtaatcgatt acactatatt agtaatcgat tacaagtga tctgaacggt ggaattcaga 420
 tccaatcgtg aagagtcaca actgttcata acatgcactg gtgtaatcga tacacctttg 480
 tggaatcgat accaatgaat ag 502

<210> 8772
 <211> 380

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8772

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agcttgtgga gtataagaag tcacagaatt gtgttaggtt ggaaggtaac cgttttgtgt 60
tccctggagg tggcacttcg tttcccgaag gagtcgatgc ttatgttaat gctctaaaac 120
gtcttcttcc cgtgccttta taatctgggg atgtcaaaac aatgcttgat gttggatgtg 180
gggtgagtca ncttctatat cttattatgc tttctccttc cttggattct ctttctttat 240
tttctttcgt cctctcttaa ttgttcgccc tggtatcatt tcattcgccct tcttttagct 300
tgtactttta catgttacta caagaggagt ttcttgagca acanagacag agaggctttt 360
caatcaaatag agagcttatg 380
```

<210> 8773
<211> 281
<212> DNA
<213> Glycine max

<400> 8773

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tgtcagggtt agcaatcgat cttgtttgtg tgtctataag gataggatca aatatatata 60
tatattaaga gagagagaga gagacaggag ggatcaagtt actccaagag taactcttgt 120
actatatatt tataaatgtt caatctatctt aaaactttac atgcatcaag ataatatcac 180
ataacaaatt cgaattatat aataagttat taaggggagt aagtttgcaa gacttaactc 240
tatgggtgagt gaatttccca tatgtgtatg tcacccataa c 281
```

<210> 8774
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8774

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agcttgttagc cattataaga ggatgatcat gttattggaa gtatgactga taatgttagt 60
aagtttgtca tattgattgt gaaggaatgg attgaccgta tcccggtttag agtgtgatcg 120
ttaaatttta agagaaacga ctattattta ttactgattt ttgcatgaat ctctgaagta 180
tgaattgaat gcatgaaatt gaggatgatg aatgccatgt ttgattgtga tagccactta 240
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nccaaaaagt tgaccacatg cttgaatgat ttatcctttg caccagttt gagctgaatg 300
aattattgat tgattgaacc ctgtgcctat acaatgttat ctcctgctac cttgacgtan 360
gttgtaggag agcatcatca caggaagcgt ggttcagagc aaatctgtcc caaatcgcg 420
ggagtaatta tcaaggtaaa tttattcc 448

<210> 8775
<211> 339
<212> DNA
<213> Glycine max

<400> 8775

gagctcacgt actccacgt agcccttata ctcgtttctc taacaccggg tcccatcaat 60
cctgccaaagc ttccacaaca ttcaagtaat tcaacattct atcatcacia actaacacag 120
ccaagaaaat agggcagagg cagaaaactc ttgccaaac acaaaccaat atcacagctt 180
ttcacattca aaaaccccag taacattctc tctgttcaa ttctttaacc ggtggatcga 240
ctcgaacata ttactgggag tctctagtagc ataagtctac attatgaccg ctgggatctg 300
ctagaaacgt ctagagcata atctgtacta ctcttttca 339

<210> 8776
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8776

agcttgtgaa caaggaagac atagatgatg tgataagaga ggtgcaaata atgaaccata 60
tctcgggtca atctaatac gtggaactta aggggtgcta tgaggataaa caatcgggtg 120
atttggtcat ggaactttgt gcgggtgggtg aactttttga tcgtatcatt gctaagggac 180
attacactga acgcgccgcg gcttcattgc tgagaaccat aatgcaaatt attcacactt 240
tccattocat ggggtgtcatt catagagatc ttaagcctga gaatttcctc atgttgaata 300
aggatgaaaa ttcacccgctc aagggtcacag attttgggtc atccgtcttt ttcaaagaag 360
gtttccctta attctatttc atatattctc tattattntt tctctcttcc acatcttttt 420
ttttttcaat 430

<210> 8777
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8777

tgctngagaa gcttctatgg aggttggatc tttgagcttc aatgatgtcc ttcaacggng 60
 attntctacc atggagatgc agcggaagat aaaggagaag aggtgagagg aggcaccacc 120
 cactagggaa taagccatgg aagaaagagc ttcaccacca agagagtgtc ttggataaga 180
 agcttagaga ggaagcttca attgagaaaa agagagagag agagggggag gggagcacgc 240
 aattgaagga ggaaaagagg gagagacatt gaactttgaa gtgtgtctca taagactctc 300
 attcatcaca gttacaacaa gtgttacaca tgcttctatt tatagcctag gtagcttctc 360
 tgagaaactt ccttgagaag tttccttgag aagcttcctt gagaagtctc cttgagaagc 420
 tagagcttag ctacacacan tcctcttata actaagttca cctc 464

<210> 8778
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8778

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 aacttatcat tggagaaatt gcggtacatt tgtttcatat tgagggttacg agaattttga 120
 ttgacaatat cctttatgac ttttgcataa tgttctattc tagtttgccc tataaatcct 180
 tgagcttgac ttgattttat tcattctttc ttccatagac tactttcagg ttcttatctc 240
 ttcatttttt atttggagtt tctctcattc tctatcaatg atgtgagcgt gtattgatat 300
 ctttttctat cttattgatt gatattttat tggacgttta tgcttatcat tttctacatc 360
 tacaacttca tatttcatca ataaaataag tgttttaatg catgatgcan attccaaatc 420
 acagtgtgct gtattctaac attntaatat at 452

<210> 8779
 <211> 389
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8779

tgcgtagccc accatctctt catagtagag tategataat gtgtctacca tcacgatcat 60
cgtctccctt tccatcattg ngggtaccac ctgngcgcgc agatccctcc accttttggg 120
cgtgttcttt gaaagatccg tccccctttg tgcaaagtgt ctgtagttgc atcctatccg 180
gaaccatata aaaattgtac tgatactgcc taacaaaggc aaccattacg tccttccaag 240
aatggactcg ggaagattcc aagttagtgt accaggtaac agctacccca gtaagacttt 300
cttggaagga atgtatcagc aattcctcat cttttgcgta tttccgcata ttctgacaat 360
atatcttttag atgggtcttg agacaagta 389

<210> 8780

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8780

agcttgccaa gaaatatcat gttcttctag cttctgaagc agtcatcaag caaatctctc 60
gtcttttggg gcctggttta aataaggcag gcaagatgat tgctttgcta tttgctcttg 120
attggttctg cgtaaaatat gtgagttctc aaaccaaata atgtcaataa gagaaatacc 180
gcagaagcta taaactgtag cttctgttgt gacacacgcc cgattgggta aaacaatcaa 240
atagaacagt ttcagtgttt cctgtttgtg ttcttagctt ggttccagaa ctttccttca 300
cttatcttga agaaacggtg tttcttttgg cttctttgag tgtcttttat gatatgcatt 360
gtgatttacg gagaacttat tgatcacatt ctctgtattt atatccctgc aactntgtca 420
agagtagacg aatattgcac tgatgataat ac 452

<210> 8781

<211> 348

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8781

tcttaaattg tggttaatgt ttcaacttac acatccaatt tctagagcac atgtcatacg 60

ataactggtg cgttgaattc tctcatgcat aatcgtaaaa attggataaa tcagtcgatt 120
atattgagaa ctaatgactt aatacacttc aataattgga tcagttaaac aagtaaccca 180
tattaacttg atagattnta ataagattta taacttgggc gattctgaca acccgagtta 240
cgttgaacac gttacctttc taaatacaaa aaataacgga atgaattcat tntgagattg 300
aggcagaaca atcaaactaa gtaaaatgtg cgtatattac cctaccct 348

<210> 8782
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8782

agctngctaa cccatggaag ctctataat ctcccacact ntntaggggtg ggccattctt 60
ggatggcctt gatcttctca aggtccactt ggacccatt tctaccaact acaaactcta 120
agaaaactat attatctaca caagaggtac acttctctat atttgcatag aggggtgtttt 180
tcctaaggac tgaaagaact tgcttgagat gtcctaagtg atcatctagg ctctactgt 240
aactaaaaat atcatcaaaa taaacaacta caaatctacc taggaaatcc cttaagacat 300
gatgcataag cctcataaag gtgcttgggtg cattagttag cccaaaaggc atcactagcc 360
attcatacaa accaaacttg gtcctgaaaa gcggnttcca ctcatca 407

<210> 8783
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8783

tcatggtgaa tcaaagggtg nttgatgata acaatgatga tatcttaaga tgatgacaaa 60
ggtgatgaca aanagctcac agatcaatca aagaacaact cacgagaatc aagaacaatt 120
caaggggttca agataagaat caagaagaat tcaagactca agaagaaagt ttagagtcac 180
gaatcaagat tcaaggttca agatctcaag aatcacgac aagattaaag actcaagatt 240
caagaatcaa gagaaggctt aatcaagata agtatganaa gtttttctca caaattgagt 300
agcacatgat ttttctcata acatgtttac cagagagttt ttactctctg gtaatctgat 360

acca

364

<210> 8784
<211> 343
<212> DNA
<213> Glycine max

<400> 8784

agcttctgtt gttcaatttt gagcgtctcg atatactata agcctgaatt ggacatccgt 60
gtgaaaagtt atgaccattt gaatttctgc agagcttccg ttgatcaatt ttgagcatct 120
cgatatatta taagcctgaa tcggacctta ttgtgaaaag ctatgaccat ttgaatttct 180
caacaacttc cgctgttgat tttcgagcgt gtctatatga gaatcgctg aatcagacat 240
ccgaggtaaa agttatgacc atataaattt ctcaagagct tccgctgttc aattacaagc 300
gtgtcgatat gcgatgcgta tgaattggag atccgtgctg aaa 343

<210> 8785
<211> 559
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8785

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atagacgtgc agtaaagaca acgcggacga atgatctcct ttcgacccgg agtacgacag 120
tctccgcttt atgagcgacg tcaccaacat cgcttccaat gcatcaacgg atgggtcgatt 180
atcctggagc cagcgtaca tctcagggac taccagtgtg ctgatttcca cgacgatata 240
tggcgccagc cgtggtcacc actgcgtact cccatggccg agcatgatcc ataaatagga 300
cctgagtttt atgccaatgc ttcggcaaca gatgagggcg tgcgtgacat gacatcctgg 360
gttaagggtc agagcatccc gatctatgcc gacgctattg ggcagcttct gagatatccg 420
ttggtgttat aagacggcca cgagcgctag tatggacaga tgaggaacct gtcttatggc 480
gtcaactaag agggcatcat ccagatggta tgtataccag ngcacgatta tgcccgactg 540
ctgcagaaac ngatcattn 559

<210> 8786

<211> 121
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8786

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 ggggtgatcc aagagctcca atcattcatt tgcataattca tgttttggtg gcataactcac 120
 c 121

<210> 8787
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8787

tgatggtgtc gagaagaaat cacatgtatg tcatcatcaa tatagtggag aatgtgaatg 60
 tatgtataca tgatnttgat gatgtcaaag aagaatctaa caaggctgct tcaaatagata 120
 agcatttgct tcaagaataa ttcaagattg cttcaacaaa caaagccttg tttcaagatt 180
 cactaaagac caagccttgc cttanaacaa agtgctttca agacatgcaa ggctctggta 240
 atcgattacc aggaagtgtg atcgattact agaagacagg gttgagaaat agctgttgaa 300
 aaatgttttg aatttgaatt ttcaacatgt aatcgattac catatgtctg taatcgatta 360
 ccagcaacgg aactttggaa attcanattc aagtcataac ctttcagata taactgtgta 420
 atcgata 427

<210> 8788
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8788

accgggatcc ttaagtcacc tgcggtgtgca gcttgcttca caaatntccc ttatttttga 60
 tccttgaac cctttaaaaa acctctagga ttctatttta taggaaaagg gtcactttgg 120
 ggcaattgta gttcacccaa gcgagctaga gctcgcttag gcgagctgaa acttagtgct 180
 gaagcaatga gctcacccag gcgagttggt ttcttcacca tgaagttatt tagtggccca 240

agcaagccag aggctagcct gggtagagcta gggttcagga aaatcaagga aaagaccctt 300
 ttgcctccct ttttttgga tttttcgcat tcttgatcaa aacactaaat gatcatatgt 360
 ttcgcactgt aactctgttc aacatcgtaa gtcgactagc aaggatcaaa atatcaatga 420
 acgatagtcc tcggacgaaa tagggatatga cagaaacaaa tcttagatat t 471

<210> 8789
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8789

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 tttgtttact ttttataccc cctgttgacg tgcttaagcc attttactta agtcatttat 120
 cgcttaactt aaaaataaaa taaatttcca ccgaacgttt gaattgtatt atccattaac 180
 ttcggttaaa ataaattccg accgttcggt cgtgccgtaa ccacgttgga aatcaaaaag 240
 aggtaaaaaa taatataata atcaaaaaga catcttttag tanaataaag cgganaatca 300
 atcggacggt ttctctttgc gatttctcat tcttaatcga attgattaat aacta 355

<210> 8790
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 8790

agcttaagat ctgcggcaat tgaggaagtc gctgcatggt tttatttttg tatgttcttc 60
 ttggtttccc cctgggattc ctgtcctctg taattttctc attgcagtct ttaaaaaaga 120
 aaggaacgta ggattgaggt tctggtcctc gctttgtgct ttaaaagatg tgtagtattt 180
 gataaccgga gccttttcgc tcagtccatg ggatgcccc aagcgcttaat tgaaactgaa 240
 cccgacgagc tttcgctaaa aagattattc catttgaaaa cactcatgca tacgcataca 300
 catgcatatt tgttatctta tgacaggaac tggatcggtt taggcaatag tcaaaactg 360
 agccaaatcc aaagacagag acgaatcgag gtaagcggta acgcgaccac gatttgctgt 420
 gcaatgtca 429

<210> 8791
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 8791

ccagaaacca tgggagttgg ctgagattta gaggacctac gtccttcaaa gaagacttgt 60
 taagatgagc aataagagag gtgatttcaa aagaagaaga gttggtgaag attatatcat 120
 caacatacac caacacatag gtttttagagg taggtgtaaa tcacatgaaa agagaagtat 180
 cactcttggc tgaattaaat cccaaggacc tcaaagtcaa actgagtttg tgaaaccaag 240
 acctggaggc ctgtttcaag ccataaagag ctttgagcag tttgcatact ttgtgtttgt 300
 cggatgaaac aaagcttggg ggttgagtca tatatacagt ttcttgaagg tctccatgca 360
 aaaaggcatt gttgatatcc acttgatgaa taggccattg ttgagaaacc acaaaggac 419

<210> 8792
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8792

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 ttgtatattt tttgtatagt tagaaaaatc tctcaaagca ccttaaatac cttgagagaa 120
 aagactaagt acttagattg tacaatcggt tgtaagacga ttaagattta gtcaatgtgc 180
 aaacaaacta taaatatggt gacttattta tagctagcag tggcttgata gaacaaagaa 240
 tatgtcaagc ttggtgtaga gcttgagttg taaaagccaa aagtgataat gacttatact 300
 tataacttgt tgaagttggt ggaacttggt ggttaaccaa aagctagtct caatggtaga 360
 gatgactagt attttaatct gacttggggg ttgaatttga ttctgtctga naaactcttt 420
 taattntgca aaatctattt ctatcgctca aatctg 456

<210> 8793
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 8793

gatgaagacg acagggacca ccgagggggt tccaatgagc cgcagtaggg cgcgtttttag 60
gtccttgccct cttggatcct cgtccagctc gtgcacgggtt gggttcacac ccatgccgca 120
gaagagcctc ttgatggcgt ggcacatgca gcacgtgctc acgctgaata tcaccaccgc 180
gctctccgac gccagcctct ctatgcgctc cagcgggtcc cccactaccg ccgccgccgc 240
gttccgaggg gccgccacgt agctcccca ccacgccgcc gccgctgctt ggtaatgcat 300
tctcagaaga attttatgtg atgaaagaat gacacgcaca atgtatgaaa atgagagtga 360
gaat 364

<210> 8794
<211> 408
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8794

agctntgagc aaattcaaac gacaataact ntttatctcg gatgtgtgat tgagtcccg 60
catatatcga gacgctcgaa attgaatgct gaacctatga gccaatcaa acgacaataa 120
ctttttactc ggatgtctga ttgagtcccg caatatatcg agacgctoga aattgaatgt 180
tcgacctgtg agccaattca agcgacaata acttggtact cggatgtcgg attgagtcct 240
gtaatatatc gagacgctcg aaattgagtg tttagactgt gagctatttc atacgacaat 300
aactgtctac tcggatgtct gatagagtcc cgtaatatat agagacgctg gaaattgaat 360
gttgaaactc tgagccaatt catacgacaa taacttttta ctcggatg 408

<210> 8795
<211> 338
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8795

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aagtcacttt cgtccgaatt agctctgagc ttcaacactc aatttctagc agtctcgata 120
tattacgaga ctcaatcaga catacgagta acacgttatt gccgtgtgaa ttggctctga 180
ggtttaccac tcaatttcga gcgtctcttt atattaccgg actcaatcac acatccgagt 240

caaacgttat tggcgtctgc attggctcat aggttcgaca ttcaatttcg agcgctcga 300
tatattacgg tactcagtca gacatccgag taaaaagt 338

<210> 8796
<211> 418
<212> DNA
<213> Glycine max

<400> 8796

acttgacctt ttcctcacac atgtgccata ctccccaaaa cttattttta ataatatattg 60
aattttgtaa agagataggt aaaatatcta ttatttgagt tatgttaatt ttattgcttt 120
gtgtgttata ttttcacatg tttttttttt agcaaggagc tacatatata gaggtaacta 180
gtcaccaacg tgtagcaaca aaatacttgc agcaatatca ttaagaaaca gaaaatagaa 240
atcgaacaaa cttcctatca ttaaatactt gtaacgttct gatcgaggcc ataccggaat 300
caaataaaca ttaaaaatgc agtatctagg aattgatctt aggtcatctc ccaacgagca 360
ttggtcaacc aaacgttcat tacagatagt aataaacaat aacgaattgg gggggggg 418

<210> 8797
<211> 417
<212> DNA
<213> Glycine max

<400> 8797

acaatggctg accggattag taattcgctt gacgtagtgc tctctcacat tctctcctta 60
gtcccaacca atgtagcagt tgcaacgagt gttctctcca agaggtggaa acttctatgg 120
cgctccggtt cgactctcaa cttcaaccac agccaccatg acgacaacaa ccacgaaacc 180
tgttccctct ttgctcagag ggtgcacgca ttcattctca tgcacgacat ggaccaaccc 240
ttcacaagat tctgcctcag ttcttcttgc cctctcgatc ccattcatgt gaacgcatgg 300
atttccgctg caacgcaaca cagagtcgag cacctcgacc tctctctggg tgtgcggaag 360
aattgccctc ttcttgcttt cagctgcaaa acctcgtagg ttgaaactgt gatgttg 417

<210> 8798
<211> 302
<212> DNA
<213> Glycine max

<400> 8798

agctatagct ggagtcacct ttatgattat caatatgtga ccatggcatg aatttcactc 60
acggattcct ggtctctgtg gggttcttat cgcttctct atctaacaat agctcgtcta 120
agctgagctt atacttatag ctgcatcgac taaaagatgg ggctactctg attactcatt 180
cacttctccc tcttgccctga aaaatcgaaa gactaaccgc ctgagtgatc ttatgtatcc 240
cttcttcctc ttacaagaca attcgaagga ccttcgcctt gagaatactc atgcttcttc 300
cc 302

<210> 8799

<211> 66

<212> DNA

<213> Glycine max

<400> 8799

atgagcaata tgagaggcga ttccattgga ttaggagttg gcgaagatta tgttatcagc 60
atacac 66

<210> 8800

<211> 324

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8800

agcttaanat ctagggaat tgaggaagcc gctgtatgtt natatTTTTg catgtacttc 60
ttgttttccc cctgcgattc ctgtcctctg taattttctc attgcagtct ttaaaaaaga 120
aaggaacgta ggattgaggt tctggctctc gctttgtgct ttaaaagatg tgtagtatat 180
gataaccgga gccttttctc tcagtccatg ggatgcccc aagccttaat tgaaactgaa 240
cccgactagc ttctgctaaa aagattattc catttgaaaa cactcatgca tacgcataca 300
catgcatatt tgttatctta tgac 324

<210> 8801

<211> 337

<212> DNA

<213> Glycine max

<400> 8801

ccacaaacca tgggagtcgg ctgagattta caggacctat gtccttcact taaaacttgt 60
taagatgagc aataagagag gtgatctcac aaacaccaag agttgggtgaa cattatatca 120
tcaacataca ccaacacata ggttttacag gtacgtgtaa atcacatgaa aagagaagta 180
tcactcttgg ctgaattaaa tcccaaggac cttaaagtca aactgagttt gtgaaaccaa 240
gacctgcagg cctgtttcaa gccataaaga gctttgagca cgttgcatac tttgtgtctg 300
tccgatgaaa cacagcttgg tggttgagtc atatata 337

<210> 8802

<211> 395

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8802

agcttatacct tatggctcgc ctccggactt caccnccat gccaccccg aagattaagc 60
caagccccga ctttcgaggg gcaactccca ccttatgatg actatcccag gcaagacgat 120
gaggaaggag atacccatct tggccccctg ctccacctca aagatccgtc cccctatgaa 180
ctaccccaac cgaacatagt ccgcatatc ccggcttcac ccacacctac aaaagaatct 240
gttcccttcg cggaagataa ggagaagatg aaggcgcttg aagagagggt aagagcagtg 300
gagggccttg gcaattaccc attctcggat ttggcggatt tatgtctcgt gcccaacatc 360
gtcatccctt ccaagttcaa agtaccagac tttga 395

<210> 8803

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8803

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aattcaatgg tagccataac cctagccaag gttcatcaac ctccatttct ccgagaatac 120
aactcgaaca caacgtgtgc ttgtcacgga gaagcccccg ngcggttccat tgagcattgt 180
agggctctga agtgtagtgt cgcaacctac ccttccgcgg gagggcgacg cgagactcgc 240

gggatgctgt ttccacgaaa ggaatacgcg cggagtcgcc accaacgttt atttgaggaa 300
 aacgtccgat aaactggaaa agacgcgatc tacgaactgt ttagtgaaag gttcgggagt 360
 tgtatctacg cacggcgaac gtattagcac cccacacgcc cgtcccaggg gacggcagcc 420
 tttaatcgaa tgtgcaaaca tgactttgat tttatgt 457

<210> 8804
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8804

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 ttctcaacag tcacatcttt ttatgtggtt cttgaatggc tatcaaaggg ctatatatat 120
 gtgacttgag acacgaattt gctaagagtt tttcagaaca aaaaagtctt atcctcttat 180
 aaagaaaaat tgttttatcc tcttacaat tccttgGCC aattacttgt gattcaataa 240
 ggaatttttg agtgctcaaa tngttcaatn tatctctttc aagagagatt tcttcttttc 300
 ttctttttca ttctgaaaag ggat 324

<210> 8805
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8805

tgtcgaatta tggcgtaccc atcacatgtg gtactaggtg gcggtcgggc gatggtgcaa 60
 aacgattctc cacatccaca aatcacgtat aaccacccat cccctgttgc ccacctccaa 120
 ctgagctcac gtactccac gtagccctta tctctgttcc tctcaacgcc ggggtcccat 180
 caatcctccc aagcttcac aacatccagg taattccaca tccaatcatc atggaccaac 240
 aaaaccaagc aaaatagggc aaaggcagaa actctgccc aaacacaact canaatcata 300
 gcttttcaca taaaatacc ccagtaacat tttcttcgtt ccaattcgtt aaccgttgga 360
 tcgactcgaa nattttactg gaagtatcta gtacataagt ctacatnttg accgttgga 420
 tctgctagaa aatgtccaga aacccatatg tact 454

<210> 8806
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 8806

agcttctggc ctatctccct cactcactca ctgtctgtcg aaggatatctc ccacgccgtg 60
 ccgccatcct gtacagccat cggcatataa gtaagaacct tactttattt tgttagtgtt 120
 aatttcaaca tcgggattct tttattttgt tgctgttctg tagaattgaa tatcagttgg 180
 tgttgttggt ctgtagaact gaatatcagt tgtattttgt tgttttcgta ttttaaaga 240
 caaacatgt aagatatatc ctatatggtc acccttattt ttatgggctt agatttaaag 300

<210> 8807
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8807

tctatcacca ttaanacaac aacaacaaca acaacaacgc cttatcccac tacgtggggg 60
 cggctacatg gatcaacttc cgccataatg ttctatcaag taccatactt ctatcttttg 120
 aactgtact cgagccatac agcgcgttgc ttccgggcaa cgacctagca ttcacattat 180
 tacgtaattg atccatgtca tagagattcg acaaagtta acggttggtg tcgaaagcct 240
 aacacaacct tctcctttta tcggggcttg ggaccgggta agaatagcaa agctacccta 300
 cgcaggattt ctatcaccat taaaacaagt aaaaaaaaaat aaaaataggt agaactattt 360
 ggaatcaata gaaagttggg gcaaaaggct tatgacatag aggtaaatgc atagaactat 420
 tattatggaa gtcaacac 438

<210> 8808
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 8808

ataccctcaa tctaaccgac ctgcaattgt tggaggaaat ttactacggg cagcgctcca 60
 cgtatgcaag taatcaattg acgcttcatt gtaggcgact gaaagatgat gctaattgta 120

acacactggt cttgtcacat catcgaatcc cgtttggtgc cctgattgac ttattatata 180
 acatcgatag aaccccagat ggtcaggtaa acttacttgc gactactatg acccctactc 240
 atgatgccct gctatattac aatgagatgt ggaacatgtc gcgccttttt gtatttagtg 300
 gctactcaat cacatgtttt ttctccaatt atctttgaca ttcccggcgg atgt 354

<210> 8809
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 8809

agcttggaga aaagaactag aacatgcaag atatgcgtag actacgacta taactgaact 60
 agattcttcc aagcaagaac tcacccaaat aaggcaggat tttgatgcag ctttggaggc 120
 aaagctggca gcacttcaag cagcaggaga ggctcagcgt tcagtcaaat taaactcgga 180
 aagaatcagt gaactcttca atgaaatcgc aaccatgaaa gcatcaattg aacaagtgag 240
 acttgctctt gaacaat 257

<210> 8810
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8810

tctccatctc tacaganaca aacgtaactt catcattcaa ctctgccatt ctgagctgat 60
 ttagagtcct tttggcatag acagtgaatg caatagaggt aactattgcc ataataaag 120
 aaataatggt gtatacgata tccacaggag tcaagcgggtg cttcccatat tgtgcgtctg 180
 ccaatgtctc tattaaccga cactgagag atggagaaaa agataaatct caagatgaga 240
 tgttagttaa tttaacagaa gtaaaaagat aacacgttct aagctgatcc acatctatat 300
 gactatatcc atcagaagtc atatatgctt ctcaacttct caattctcat tttcatacat 360
 gtggagctaa caaaaactcg ggtacggtag ggaactcat 399

<210> 8811
 <211> 445
 <212> DNA

<213> Glycine max

<400> 8811

catgcaagct tccactccag ttcccatcgc agtacctaata ggggtgtgatt gtcatacgtt 60
aaaaacctta atacacaata cccttaagct aaccgacaag caatttttgg atgaaattta 120
ctaccggcag cctttcacgt atgcaggtaa tcaatttcgg tttcaatgta tgcaactgag 180
agatgatgct gatgttaaca caatgttaat gtgtaatcat gaattttcgt ttgttgggtct 240
gattgagtta ttatgtagca ttgctagaac cccagatggc attttaaact tacttgcaac 300
tactatgacc cctactcatg atgccctgct atattacaat gggaggtgga acatgtcacg 360
ccaaaatgag tttgtcgggt actggtccac aggataaaat cccaataact ttgacattcc 420
caccggatgt accatggatg aactg 445

<210> 8812

<211> 304

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8812

caacaactta tgaaatactg tctactgaa ttggatatat actctgngat tctaaaaga 60
acaataaaaa ctccaacttc ctctactgat atagaaaaca ctgatgcaac caaatcttct 120
accactaagc atgatctttc tgataaagat attctatgtt atggacgaaa acacaatgta 180
ttatgctcta ttaaaactgt tcntatcata ttattacatt tctttaaatt ttaaattagc 240
gggagattgt tggaaaatat attcttataa ttcaaaatta aaatatatct ttttataaat 300
tatg 304

<210> 8813

<211> 466

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8813

agctgtgatn taattntctt tcgtaaattc cttgaactat tntagattaa gccaaataaa 60
atgaaaaaaa aaaattattc aacttaaata ttcatcttat atttctcatt ttgttctttt 120

cttgtcgcat cattatagga ttgcttgaca tttttctctt tccctatttc catacatcct 180
ggctttgagg aagagtttta aggttaaaat ataatttgcg tccttataaa tataaaaata 240
tttaaaattt atttttgtaa aatttttaat atattttctt ccttacaaaa ttataatata 300
tatcattttt taatttgtac gtaggtttta tttagataaa tccatattta caatgatcac 360
tttttatatt aattatatgt atataatgaa tataacaaaa ctaaatacct aagtttggat 420
tgaaacgaaa aataatgcat tgtatcttat gaaaatgaaa aatata 466

<210> 8814
<211> 366
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8814

actanatgac ccttcttgta ccaccaagtt tccaactcaa tcacttttaa agtcctcttg 60
actgagtaca aagtgacttg cagcagtttg gtgagtaatt aagcactcct ctacatgtca 120
aattttaaaa tcatatacat atctaataatg aatttcatat taatttcagg atgtgtcgag 180
taccatgtac tcatttatga aagctataag attcatacat ctgaaattgg aaaggactac 240
aaagtgtaag atagtttata attatcatag gaagactgca aaaattagaa atggatgaaa 300
taattttgca caatcacaga attntcttct tgcaactcaa attatagctg agtttccata 360
tgcaac 366

<210> 8815
<211> 489
<212> DNA
<213> Glycine max
<400> 8815

agtcgacctg ctgcatgcaa gccttgaaca atatacttgt ctttcattta actgtctttg 60
ggcttggcga ccatgctcaa caaagtactt tcgacaccta ctgtacgttg atttcaccaa 120
tgttggtatg ggaatgttgc gacaatcctt taaaacctta ttgatacatt ctgagagggt 180
ggttgatcatg tggccatata gacgtccttc tctatcataa gtcacgtcc attttccctt 240
tgaaatgcga tcaatccatg ttgctatggc tggactcagt tgacgaaatt tttctaaatt 300
ttgatcaaaa atgtgcttgc aatgagtgtg ggctgcataa aactagttat gaataacaat 360

tttaagtata tatgaaagtt aaataaacgt gaccatcaat ttattatatac ttacccaatt 420
tcttcaacat ttctttttgt ttgacattat tgaattttcg attgaagttg cttgctatgt 480
gtcgcacac 489

<210> 8816
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8816

ccgcgtntgg gagaaagaaa aggtaagggt tactgaataa tttgataccc ctcttgtctc 60
gtaactaacg atggcagcgt tccgatggaa gagctttgag gagaacgagg atcacctga 120
actgttcttt cactttcttt gaagttaatg ctggaaaaag tctatttgta tcatttggaa 180
agaagtaagc ttaagctgcc tacgatatta tttttaatgt tgtgaagatt ttcttgggta 240
ttgcatgagt gcctcatcca cgaatgtaaa attatttgtc tggctgaagt ccttaacaat 300
tatttgttgt ttgtagtaag ttcatcacat acttacacta agacatttat cgcgattgat 360
ggagctggaa agcgattacc tgatgaagtg agtcccgaga catg 404

<210> 8817
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8817

agctnggttc gaatgacttt ntaatgaaaa attgttatca accgaactaa tattttatgg 60
tttggtttgg ttcgattttt gtaattttta caaaatatta tttcactaaa atttataatt 120
ttttttaata ttttgaatca aattacatta aaaaaattgt taataacaat ctatgaaact 180
tattaatatg ttaaaccattc taaaataaaa attttcaaaa atctcatcta tttctaacat 240
atcttaaaaa aatcatatga aaaaaagtaa tatgcattat ataagtctta tatacatgac 300
aataaaaaaac attgtgaaac tcaagtgata catgcataaa atacataaca ctaaagtaat 360
ataagtatta gtacaagtat tatggtttga tttgcgttca aaaacatata ccgcaaatacg 420
aactgaacca atcattttga gaaaaacatt caaacaattc aaaaaaagt 469

<210> 8818
 <211> 477
 <212> DNA
 <213> Glycine max

<400> 8818

gcttcggccg cccgcgttgg tcaattttaca ggcgacatc actaatctta acagactctg 60
 atcgaaatgc cccgacatat ataaaatgca aaatcggatg taacattggt tactctcaac 120
 caattcaagt tcgaaactta gtcacccttc aatatatgca tggagactcc tcccagcaat 180
 ctagatcaca aggcaattaa tattttgttt acttgaatcg ataccaatta ctattattta 240
 cagaattaat catatgagta tgcattttta atttttgaaa cacgaaatgg aattggtgag 300
 caaccgttgc gtggatctgc atggtaggat tgctgacaag cgaacaacag gaggatggaa 360
 agcgtcgcac tttatcatag gtactgttat gacattggat agacaatata ttatgcgttc 420
 aatggtcaaa ttcttactga tgacaagagt tatagcttag taagtgtaac acatgat 477

<210> 8819
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 8819

agcttcaagg ctaagtcttc atgtcgctcc ccctatctct aatagtaacc tttggaaaga 60
 agccaacaac tagaatgatt gttgtcaggt tcattgtagt aaagttctca ttgtcctata 120
 aagccatatt ggcataccat ctttgaacac attgaaggca ttaatttcaa tgggtccactt 180
 gaccatgaag ttcttcagt atgatataca ggtcgaaact ttgaaaggag actaaaagaa 240
 agctcaggaa ttttaciaag aatctataga gtagaagaca tttgatagtt tttttttcaa 300
 agcatagaaa caaaggacgt cgagtcctaa gaagcacaaa gacaaggaca ttgagtccta 360
 taaggacggg gacactgagt cctat 385

<210> 8820
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 8820

ctcaagctct agcttcttta ggaatcttct taaggaagct tctcaaggag gtgagcttag 60
ttatgagagg ggtgtgtgta gctaagctct agcttctcaa ggaagttttc tcacagaagc 120
ttctcaagga agttttctca agaaagcttc tcaaggaagc tacctagtct ataaatagaa 180
gcatgtgtaa cacttggtgt aactctgatg aatgaaagtc ttatgagaca cacttcaaag 240
ttctacttct cccctctttt tattccttca atttctgtct cccctctctc tctttctctc 300
cctctntctt ttctctcatt gaagcatcct tccaagcttc ttatccaacg ctcatcttgg 360
tggtgaagct ccttcttcca tggcttattc cctagtggat ggcgcctccc t 411

<210> 8821

<211> 420

<212> DNA

<213> Glycine max

<400> 8821

ctcgaccggg atccttaagt cacctgcggc atgcaagctt tataagcgcg ggtttgggag 60
acgaaggcca agtggctcgcg atatacgaag atgatgttcc gagtacattg gatttggtac 120
gaccatgccc tcctgatttc cagctgggaa attggcgagt ggaggaacgc cccggcattt 180
acgcaacgag cataatgtaa acctttacgg gtttaaaagc tctatagttg ggcttaggct 240
ttagagcttt tccttttgat aaggctttga gtcttttggt tgtgaattca taatacaagg 300
atctttcttc atctgttcct acgtctctac ccattctcat tcatttgcac gtttacttct 360
ttatttctga aacggcagat ccgatgacga gtcccccga ggtactaata cctgggaccc 420

<210> 8822

<211> 289

<212> DNA

<213> Glycine max

<400> 8822

tgaagggtgtg tagaactctg gtcacgtgtc tactatcatt gtgataatct ctttctctat 60
tattggaggc gctacttgag ctaccaagat tctccatctt tgggcgtatt cattgaaaga 120
tccgtgcccc cctttatgca catgttctgt agttgcatcc tatccgatgg gcctcttctt 180
caatggccat gggccttttc tttagatgat ccaccttacc catttccgcc atagcatgag 240

ggtttttaat cgttgtggaa tgcaaagggg gtggttgtgg gtgatactg

289

<210> 8823
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8823

agcttgcgca tcattggaag ctatatgttg cttatgtctt cgttgggcct acagaatgta 60
acttttgaac ttgatgcaaa gttatagtgg acaagataaa gagcaatgtc acactcataa 120
cccacctcat tcatagetca ctattagaaa agtaggattc tacatcggtt ctttaagaga 180
aattaactac atcggtttac gaccgtcggg tagtctattc tacaacagtt gacaaggacc 240
gtcttagaat ggtcaacatt ctacatcgat cgttgaagga ctgtcgtaaa atactcagca 300
agctgagcgt gaccatctta gaatgtcttg acattctaca tcggtcttgt caaaaccaat 360
gtagaaatgc taattttggt ttattttttg taattggagc tacttttntt ttgtattt 418

<210> 8824
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8824

ctntaaaatg tcatgtatgg ctctgctaaa taaactctat attataagct actggaaaag 60
tataaggcag cagcatcttt ggatacaaca caaggacgaa gcatagctcc tgcttctaca 120
gctgatacta taagttaaac acaactttgt tcaaagcaga ggaggtatgt gctacgtgtg 180
aaccatatca tggctgcata agaggcataa cttctagcat gtccaactac acatgtcatt 240
ctgatttatt gatgcatagn tcttcagacc actttttacc ctcttttctc ttttttggca 300
ctgtga 306

<210> 8825
<211> 401
<212> DNA
<213> Glycine max

<400> 8825

agcttccttc tacacctgat aaagaggatg agatagtcac tgatcgaggc cgtacccaaa 60
tcaaataaac attaaaatgc agtaactagg aagtgatcct aggtcatttc ccaacgagca 120
atgactaacc aaatgttcat aatatgcttc gttataacag taatagtaac gattggggggg 180
gttggtttgt gaatttaaga acaagcagat tggaatacga aattaatagt attaaaaaaa 240
tgttggttcc tctgattcag aagccattct cgtgtcctag gttatgaaga atccgtctat 300
aacagttaac cacttaatcc aaccctatct taatttacta aacgaaaatc aatttaaggt 360
tgtcaatgat tgattaagca acacatacac caatttacc t 401

<210> 8826
<211> 457
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8826

cggttntggg aaatagcacc ccacctgacg tccacaaggc cttctgaccc ccgcgacata 60
tctccaggta ccaactccgtg gtcaacgaat aaaagcagga agtttcatcc ttctacactt 120
cctcatctca agcttgtagg attatggggg atccatcaca tgtggtacta agtggcggtc 180
gggcgatggg gcacaacaag ttatgcacat tcacaaatcg cgcataaacc caccatcccc 240
tgttgcccac ctccaactga cctcacgtac tcccacgtag cccatatacct cgtttctctc 300
aacaccgggt ccccatcaat ccttccaage ttctcaaca tccaagtaac tgaacatttc 360
aacaacacag actatcacag ccaagagaac agggcanagg cagaaaactc tgcccaaagc 420
accaacacag cttttctcac ttaaagaccc cagtaac 457

<210> 8827
<211> 423
<212> DNA
<213> Glycine max
<400> 8827

agcttggtcca aaataaagat gcagggggcaa ctttactcc agtggtcata atcaagtatt 60
gtcatttgag agcaaaactt aatgccttgg tctaagtgc ttctgacag gttgacacgg 120
catcatcatt cttgaagcca aaacttaggt tgactaacat taaaaatgtt acgaatgttg 180
ttcataatcc aataacaaat gagaaagaat gcttactaat tccatagaaa caagaaaaag 240

aatacacatt cgttcatatt tcaaaatctc aataaaaaaa cttgccttcc cataatatcc 300
 atttttcagtt gtatttttagt atacaagatt atacacaatg caataatttc agaataataca 360
 aagagaaccc cattatgttt tacagaccta tacaataccc ataaagagaa cttacattct 420
 att 423

<210> 8828
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8828

tatgagtatt attntcaacc aagccacttt tgactctaga acaaataaaa agatttgttt 60
 aagggtgggt gcacataaac aaggctttca tcttatagac aaatttacia gataaaactta 120
 ttgtctttct ctctcaagat ttataatgtg ttttgaaagg agtgaatacg caatttagtc 180
 cctgagattg taatcatttt acatattagt ccctaactta attttaaatt caaaatagtc 240
 tctatcttta cattcgttat gcaaataagt ctctgccgtt aaaatttaat ttcctcgtt 300
 agtcatgtct atttggaaca cctcaatcca tgtaagcaac ccaatgtggc angtttgagt 360
 ccaagtcagc aatctcatgt ggtaaggact gaattgaaaa atacgaaagt tacgttacia 420
 agaatcaaaa atgaataaac gcattttccc cacaa 455

<210> 8829
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 8829

ggatccttaa gtcacctgcy gcatgcaage tagtctcgtt cgttctgttg agaacaaagt 60
 ctcaatctga ccttcatggt tttcttcgag gtaaccatga ttctatgttg gttccttggt 120
 agtttcagct tgtctttgca tcttttctga ctttggaaacc accattgtat attttgcact 180
 tcctttgaaa aaccctaaac aaagagactt tgtaaacgtt atcttttcat aaaatgagtg 240
 ttattttcgg gaccttcacc aaaccccggt cacattggcg tgatcggaat atcacaatga 300
 tgttcctttt ctaaaatttg aaacgccttt taccctttac cttttgacaa ggattttgac 360

tcaaaatatt atcactagct ttatt 385

<210> 8830
<211> 364
<212> DNA
<213> Glycine max

<400> 8830

cgaagctcgg cagaaagctc gaagatgttt tgtgttttac atgcttaact cccttgagtg 60
acatttgat tggttggtat attgagtgtt tcatcttagt atcttttgcg catcatgcat 120
catcatgagt aagtgaagaca aaaacttcct aagttacaaa gtttcttcac aaggcgaaac 180
tctctatctt aattgattaa aaccttatcg tgattgatta cacaagttgt ctgaagcttg 240
cggagttatg tctcatacc gcttaatcga ttatagcctt ctgtaatcg attacacaat 300
tgtgtatgag acaacgactg acttattcaa gagtctctac ttaatcgat taccatgtga 360
tata 364

<210> 8831
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8831

atcttgctgg ttggttctca acattgtgag gaatcaggta acatagtacc ctttctttct 60
cacctatctt ttatctgtaa gaactttgct actcctttta attgttaaca attcttaact 120
taaatagaat atataaaaca ctcggatcaa taatgggtgtg taatagctag gctagtctac 180
cgaattgcag caagtaatat agaggtaaga atcaacagtg tggacaaatt gcaactaaac 240
tagaaacttt catttgcagg taaaaaattc gcacaaaata aggggaagtt cagaaaacag 300
ggaaaaatcc actatntaat ggtggcagtg tcctatntat tctaattctt ccttatgcat 360
ccaattgcat tctcaatgca gaattcaatt t 391

<210> 8832
<211> 263
<212> DNA
<213> Glycine max

<400> 8832

<213> Glycine max

<223> unsure at all n locations

<400> 8835

attaccgcga tcctctagat gaacccgtgg catgccagct tgttcccttt aggctttgga 60
gtctgcttta tccantaat atcagtatgt ctctatctga tatcatctat aactattctt 120
ctcggcagtt ttttccattg ttgataaagc tggttgcttg gaatggtgaa agtgctgtac 180
catattttct tccctttcac attgggtcca gtttggtttt tttattgggg gg 232

<210> 8836

<211> 580

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8836

cttcaccacc cctcagaatg atagactntg ccattancct cttncnnntc cccgcagccg 60
cggtgagccc ntgtttacgc gctgtactca cctcnagct ctgangcaca tcctctcgcc 120
gtatgactat catccncaca cgattttgcc gccgcatgtt agcctcaacc ctacgacgca 180
acgtcgagga ccacagtggg cacaaaactc gaacggccgc tacatgtaat cggaacgca 240
tactgcggct cactatccat gccaacacac aactgcagct tgtgcgtacc cgagcatgaa 300
tcactacaca gatgttgctc atacaaacga gcatacttta ctacctact ccgcacaacg 360
gaggccactt cccaacgaac cagctattac ctctctgat gacgcatgga catatatcc 420
tgaccaact acatttcgcc cgaatggctg gccacaatgc accaccgatc acacatgaga 480
cggattgggt tcgcaccatc tgaccaccga acaaaaggac gaaatgtgag cccacggcat 540
acatggcgtg gcgtgcaaag caaccgcga cggacatgc 580

<210> 8837

<211> 465

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8837

agcttggctc ctntntcatt tctagtttag ttatgaaaca tgttcaagtt tgtctctggt 60
aagaggatta taaaattccc acctatatat gatgtacata ttataaaatg cagtgtttac 120

taaaagatgc ataacaacta cacaatccct gtcactggcc taataataaa attttgaggg 180
gatgtctctt tgattaatct ggcataaatt aaaaaaatt gaaagaaaag tataatacat 240
ttacagtgtg aatgttttgg aagtatcata agcattttga ttttagagat cgagaaataa 300
aaaagatata tcagttataa aaatgtgtgt aaaagtaata tagtttacta atttgtcctg 360
tacttttttg ttctatgttt taaatagtga ttctgtaaaa cacaacataa cactttttta 420
agaaagacta aaacaggaca gagacatgta tgtctgatgt ctata 465

<210> 8838
<211> 360
<212> DNA
<213> Glycine max

<400> 8838

caaacttggc ttacatcttt taatctcata agatacaagt cagtttggtt catgcagttt 60
ggttttggag cacctcaatt ttttaaagct gagtttagatt tataaatgtc ataccataat 120
taattattgc ttctattcat gattaagata tacagcagct ggttcatcaa tcttcaacat 180
ttacgctacg gagtgcgat tggagagggt aggctcaaac ttttgcgagg gacttaactg 240
cccatgacat tttctttttc cattaaaatc ctttttcac aatcttcaac attcacgcac 300
taaggattaa atagggtttt agtccatata aatatgactt catgtagttt tggattttca 360

<210> 8839
<211> 461
<212> DNA
<213> Glycine max

<400> 8839

gtaacaatct caaaacttct caacattgtc ttaatgacct tcacattttg cattgatgct 60
tcaccaaaaga atatggtatg atctgcatat cacaggatac taatttccac tgagcttctt 120
cccaccaaga ggccttttaa ctgatttttt ttagagcttc tctcattaga cccgttaatc 180
cctcagccac aatattgaac aggagtgggg ctaacagatc cccttatcta agtcctcttt 240
gagggaaaaa ttctgctaaa ggactcttat tgatcaatat ggagacaaaa gctgatctaa 300
aacatcctgt gaccaagtt atccacttta gggtagaatc ccatcctcct acgcatatat 360
accagaatat cctcactaac tgaatcatgt gccttctcat agtcgacttt gaacaccaag 420

cagctcatat cacctctctt cacttcctcc acttcattgg c

461

<210> 8840
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8840

agcttggaga tgagggagga ttcagagggga gattccatcc gcagagggaa aagttcaatg 60
 gatccaatcc aagaacaagc agaaagaagc gcgccaacaa tccactttca tttcaaactt 120
 ttggaaatgg agcggagcct agcatctata acggtctatt ttcttttttt caaataaaaa 180
 ttatatgaga tttgttcgag gaaaaaatac aatactatat gcataatata tcattattca 240
 ttgttggcag aaaaaaaaaat agcatgcatt ttttaagtata atgattnttt tcaccgtaat 300
 aaaaataaaa atattacggg aaaaaaacta taaatattct attttcgtct aattaaaaag 360
 tattctaagt gaggaataa tcaattgtca tgtacacagc ctagaagatg aacatatata 420
 ggtgtingctc taataaaaaa aactccaac ataataaatc tctcg 465

<210> 8841
 <211> 585
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8841

cttcccacct acatatecta nttctgtgta atttttgatt gaacttacca nccctcgccg 60
 cgcccgtag cgtgatgacg ccctcgtaen nacgcgccac cctctaagac atacccatcg 120
 agcacatact ccactcacac gtcggactgc tctgtaccca gcttatttac tgctccttac 180
 catccagaga ctgcttatac cgccttcaac atgccgaacc atattttatg attgacgtga 240
 ggcgattcaa acaattacca tatctcgcta gtcccgctgc tcggtggcga tatgatacat 300
 aagaccaatc cgtcttctaa tacttctgga acacaaccga atgcttaagc ctataacacc 360
 caacaactac atttgactcg tcgcagcttt aagcccataa ttttcaatct ctgtcttgac 420
 acacaatctc ttgctatgag acctccttga ctcaacacgt cgtagaccct aacgcctcta 480
 atgcagacgc caccattca aacccatgca caaccgcgct cctagtcgag catatcaaac 540

accgatcgct ttagaccatg gatctaaaac actcccgcgc tcccc 585

<210> 8842
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8842

gcttgcgcgc atggagtntt ccgactatgc tcttgtgtgg tggaacaagc tacaaaaaga 60
 gagagcgaga aatgaagagc caatgggtga tacatggacg gagatgaaaa agatcatgag 120
 gaagcgatat gtgccagcta gttactcaag ggacttgaaa ttcaagctcc aaaaactaac 180
 ccaaggcaac aaggggggttg aggagtatct caaggaaatg gatgtgctca tgattcaagc 240
 aaagattgaa gaagatgagg aggtaactat ggctcgattt cttaatgggt tgactaatga 300
 tatccgtgat attgttgagc tgcangagtt tgttgaaatg gatgaatttc ttcacaaagc 360
 aatccaagta gagcaacaat taaaa 385

<210> 8843
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8843

gtacttcaat attntccaca tcatcaacga tcttattgaa attatccaat tgctcagtga 60
 ctgttcttga ttctatcatc ttgaagggtg acagttgttg cttcaagcat agccgatttt 120
 ccagagactt gtgtcattta caaggattcc agtttcagcc acattgaggg tgttgcctt 180
 tctcttgcaa cttctcttaa agctttatct ctaaggcata gtatgattgc acttctggct 240
 ctatcaatca tttctgattt ctcttttgag cttagagatt cagacatcct ttcttcttct 300
 ttaagagctt ctgcacaacc atgttgaatc aagaatgctt ccattctgat cctcataa 358

<210> 8844
 <211> 379
 <212> DNA
 <213> Glycine max
 <400> 8844

aagctctact gagtctgatt ataatcatct acctccttaa tgcaactata gaaccctacc 60
 tgtaactatc ttcaattgcc aattcaatga acaccgaac cccaatactc gcttgcttgg 120
 caagaggcct ggacataccc tctttccctt cttattccac tcaccacaaa attcacttcc 180
 ggcgaagctt ctacctctt taaaaagctt ttcaaagttt gaatctttat cacaaaacaa 240
 caagaccag aacatttttt tagcaatgct gtgaccaatg attgagtagc gaagattctg 300
 tgatctgtca gcaatggcgg tttgcacttt gaagccgcag aagccgaacc cttacgcgct 360
 ttggaagccg aagccgaag 379

<210> 8845
 <211> 517
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8845

agccctccgc gcgtgacccc tgatgaacgc gctgcatcta cgcacactct agaacactct 60
 agcctgttat catgaaatct cataagatac atttatcata tggnatatgc attacgatgt 120
 ggcggcacat gcttaaatg cggtgtctt acacacatga atcacattgg atcattaacc 180
 attaggagga attcacgatt aagatataca gcatctgaga actcaaacta tcactcttagc 240
 ccgtatagga tagccgatag gagatgtttg gctcaaacgc aaggcatgca cccactgtca 300
 aaccatgatt tagccctct attcttaata gcgaccatca accccttggc tcttaagaat 360
 atatacgttt atactctcta ttattcagac gacacagtcc gccgcccact ctctaaaata 420
 ggcgcactgg tctctgtttc acgttcagac tcgcctttct tcgtgtattc gtctatgact 480
 aactcgcag gtgttcagta ttcttaaaga caacccc 517

<210> 8846
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8846

tgaatgtgtt actntgacac tctctgatga ggaatacacc atagtcata gctctagaag 60
 cgccacacaa atgtggaaca ccttagccat aacatacaaa ggggtgtcac aggtaaaaag 120

gaacaatatt aaactaagac tcctaacaca taagtatgag atgtttagaa tggaggaagg 180
 cgcagacata caatgtatgg ttgaatgctt ccaaaccatt ttaaacgagc ttacagcata 240
 gtgtagaact cttgacaatt atgataatat tgataaaata ctaagaagtt tatcaagaaa 300
 gtggagatcg tacgttaciaa ctttaatagc tataaagaat cttgatactc tgtctctaga 360
 agaatgtagt ggaaccttaa aggtcatgaa ca 392

<210> 8847
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8847

gccacctgcn gcatgcacgc tacgatggcg tgatattata tacatgtctg tcatcatcaa 60
 aaagggggag aatgtgaatg tatgtataca tgattttgat gatgtcaaaa gaagaatcaa 120
 acaaggctca ttctgcttcc tgattaatac aagattgttt caacaaacaa tgctctgatt 180
 caagatttct tcaagatcaa gccttgccctc acaatgaaag gtttcaggtc attctaggca 240
 catgttatcg attaccaata catgttatcg attaccaatg gtttgaaagt gtgtaatcga 300
 ttacacatca tatgtaatcg actaccagag aggattt 337

<210> 8848
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8848

tgcacgatgt taacttaciaa gaaaacaagt ttaatcaaag cattatataa tatttattca 60
 acttagaaaa aataaggaca aatgggaaaa gtttaacttat agtttattac aataaaacct 120
 aggtatccaa catcaatcat catctaacac gaaattcaat tactgatatg catagaattg 180
 gatgatccca caccataata catataatcc aatacattct gatttcatga attcagtcca 240
 agggaaaacca gataacagga cattaacatc aataaaaatat cttttattta tctccaaggc 300
 ctagactcca aggagtccat caggacctct ctctcctaata tcagggtccaa cccagagaat 360
 attntaatat acagactcta tctatgaact atgcaatata cacaactact caattgtttt 420

caaaatctca actattttcc aaaattatat taacttatc

459

<210> 8849
<211> 354
<212> DNA
<213> Glycine max

<400> 8849

tgtgcctctt caggtctgga atgtgaatgt agcatataga tctaaatacc cttatgcgct 60
ttgctgatgg cttcttttccg ttgcaagctt caattggagt cttgtcgttt acagacttag 120
ttggacatct gttgagcatg tcaacagcat cagagactgc tatagtctag aatgcggtac 180
gtagattcgt tctcttgagc agtcactctag ccactctccat aactatgccca ttctttatat 240
cggacactcc atattgttga cgagaatatg ccactcgaag atggcgctca atgccttaat 300
cctcacaaaa tgtgtcaaac tcgcgagagg tgtactcttt gtccaatcac ttct 354

<210> 8850
<211> 315
<212> DNA
<213> Glycine max

<400> 8850

cttgactat tatatttatt ttggtaacag tatatatttt gcttgaggtc tggttattac 60
gatgaagcaa gaaatgttgc ccaatcttca cgtgcttcac atcaatttgc tcctttggta 120
catactgtgg tcaactactta tttactaatt tatgatttaa tctttcttaa taatttactt 180
atttctgaca gctgacagag tggattaata aaggagggat ggtaccagaa gagattgcag 240
ctgctgcac tcgatgaatgt gaaagaatgt tgagaactgg tgaccgggta ggtcgaactg 300
catatgacaa gaaaa 315

<210> 8851
<211> 426
<212> DNA
<213> Glycine max

<400> 8851

tcttgatat tgcagataca ccaattcctt acttgcaact atctctattg gcttgcctca 60
ctctctgtca ttccctgaga cactctgact cacttttgtt ctgaactttg aatgattaat 120

aaataattaa ttgttaacta atgttattaa ggcattaatt acaaattaaa aagaagtgtt 180
 ttaattgtaa tgatgtctta tatacatata tcatgttcac ctatatactt atttgtagaa 240
 tgcaactatt cacatataaa ttattgtgcg ttcaactcta ctttaattctg taagatcaat 300
 gtcattcaac tctacttata atttctttta tcacctagat agagtatcat atcacaataa 360
 aagggtgccag cactatcagc agtcccacac agctcgagat acaatcaact aatattcgct 420
 actaac 426

<210> 8852
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 8852
 tgtttttcaa acgggtaaaa ggctcacatt cactttcttc tacatcatat tcaaacttgt 60
 tcaaataaat aataaagtca tctcgactca aagaagggtca tctaagtctc atacaattaa 120
 tatataacct atatcctaata gtcacatcct atcagagcgt ggtggtcccg tgcctctag 180
 catgagggttc ttcatagcca accaactatt catctgctcc cccgaacaca aagtttaaga 240
 tcatcatatg atccaaacac aaacagcaaa ccggggagtga gttatcacat ttctaactac 300
 tagagagaaa caacacaaca tatagtagcc aaatacaatt tacttagcat atctcacatt 360
 atttcatcac tgtgtcattc atcaatcaca cttttcatcc atcaatcaca cgtttcaatc 420
 attgatcact ataca 435

<210> 8853
 <211> 561
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8853
 cgccccccag cgtattgatc gtcatgaac gccttgatan cactcgcaat cacgagacac 60
 tatagaatac ctaagcttgt ctctgatgtc gacgatatat cgactgatga tgatgacgat 120
 gtctaattggg cgaantatgg cgatgatgat tacgggtggg aataagcacg ccgcctacgg 180
 ggccctacgac ctgttctaca taaagtttgc ctggactgac ctatttaata caaaagggtg 240

aggcgtacgg gctttcttca aacagtcttt taaacttana atcagcatca gcgctctata 300
 ggcttattaa acnaagtcct taatacgenn ctgattagac ccacgcccac tatatatccc 360
 atatatacct catattatct ctttctctcg actagcata atgtgccctt gcattgaaca 420
 caacacaagg cataattaat atttttttgt tgaaactaac aggccttgat tacacagtac 480
 tgctctatca ctncattcct ataatcaagt aagacattaa ttaccactta actcgtactg 540
 agtcatgtgt tgactcgcgc t 561

<210> 8854
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8854

tgcttctaaa ctttatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatattctaa gaaggggggc attgaattaa gatatacaca tcttttctaa attaaaaatt 120
 ctattttgat ttttaaccac atcccaagat ttctttcaaa aatgaactcc taaataatta 180
 tgcaaattaa tcttactgaa tagaaacaat aagcaatata caatatacaa taaaagagtt 240
 taagggaaga aagattgcan actcagaatt atactggttt ggcaacacct tgtgcctacg 300
 tncagtcccc aagcaaccgg cttgagagtt ccactatctt gcaaaagtcc ttacaagttc 360
 t 361

<210> 8855
 <211> 406
 <212> DNA
 <213> Glycine max
 <400> 8855

tctacttatg tggcagggcg ggcttccttc actttcttgt ctccaacgcg agctctgacc 60
 actgttcttc cttcccgcca tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
 accatacttc ccacgatttc cttgggtttt tatcaggcta gttatgccgc cattgtcttt 180
 gcctaaacct atccggggtt cataaceggt cccaacata actcgggcca tcattaccgc 240
 cgcatcggac agacaaggtt gcccaaagag ggagtccacg gaggaatgc tgaccacctc 300
 aaaagactgg aaagcgcgtt ctaacgattc ttctgcggct tccacataag gcatggagga 360

tgggcagctt accaagatat cttcctcgcc tgacacgatg accaag 406

<210> 8856
<211> 215
<212> DNA
<213> Glycine max

<400> 8856

ggagcgatta cgtttacacg atagtctgta taaaacaaac aggttatgca ctgtagatgt 60
ttcttacctt acaaacaacc ttctacttc tacatgatga tgcgatgac acacataaat 120
agattacgac tacaaggcag caatcaatac aaacgccact ccataagaag ctttcgcctc 180
tactttgcgc acaccttttt aaaacttaat cttca 215

<210> 8857
<211> 234
<212> DNA
<213> Glycine max

<400> 8857

gcttcttata caaggctcat cttggtggtg tggtccttc ttccatggct tattecctat 60
atggacggcg cctcctctca cctattctcc tttgtcttc actgcatctc catggtggaa 120
aatcatcatt aaaggacctc atagaagctc aaagatccag cctccataga agccccacaa 180
gcaagcttcc atcacaaggc tacgtgacac ttatgcatgc cagccccggac atgt 234

<210> 8858
<211> 130
<212> DNA
<213> Glycine max

<400> 8858

tgcaagcttt ctccatattt tcctataaat aggggggtgaa gtgaaggga ttaatgttca 60
gccctcctgg taattcgaga tcacttgaac ttaccgaaac acattatttc cgcgcacaaa 120
atccaagctg 130

<210> 8859
<211> 160
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 8859

gcttcatgat cgaatcaaga ttgattcaaa gaagttntga tgataactta ggtaatgaca 60
 taaagctcaa aggtcaagaa cacttcatga taacaaagat gatgatctca agaatcaaag 120
 aatgagctca cgactttcat gattgaatcc agaacacttc 160

<210> 8860
 <211> 183
 <212> DNA
 <213> Glycine max

<400> 8860

aagatcactt catgataaca tagatgataa cattcaagaa tgagttcaag attgagtcaa 60
 gaacacttca aggatcaaga gcacatttga tttcagaatc aagaattaag attcaagatt 120
 caagaatcat gattcacgaa tattcaagat caagactcac gactcctgac tcatgattcc 180
 aga 183

<210> 8861
 <211> 151
 <212> DNA
 <213> Glycine max

<400> 8861

gattctatag tggaccacag cagtgcgtat catgtaatat gctttgtctt ccaactgcac 60
 tccatggcgg aaaatcatca ttaaaggacc tcatagaagc tcaaagatcc agcctccata 120
 caagccccac aagcacgctt ccatcaaacg g 151

<210> 8862
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8862

cgtccatata cgcactgttt tatcgactg cagacgctga ccacacagga taaacacaca 60
 tatcgtacac taacacatct ttattatcta ggncacatac tcaaagcaat catactatac 120
 tacacataat aggtccttca ctacccatgc tccacctcat catcgaatgt ctacagcaact 180

cttacttgat actttactct ccacaaaact tctcctacca cacttacctg tcctttctcaa 240
 ttataatatt cacctcacct cttcaccatt ctacctaccc gctactctca cattctcact 300
 aatcatccct tgcctctatc actcactctc tttcaactct tccactctat tctctcatac 360
 ccaacnaetc acctctctctc ttcggttnac ctctgctcc ctctctcggt tttattccct 420
 catctatcat ccttctccac ctctccctat catccccac actttctacg ctgctcatt 479

<210> 8863
 <211> 200
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8863

ataacatcca cgctactggc acttatgtac anacttaata ttgcaacgtg cagtcattctc 60
 actatataac tctagggatt ccaactgcatg tccatgccgg aaaatcactc attaacggac 120
 ctcatagaag ctacagatc cagcctccat acaagcccca caagcaagct tccatcaaaa 180
 ggccacgcga cacttattca 200

<210> 8864
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 8864

agctagaaga ttccatatgg atatatcacc actgtagatt ccaaccctct gggtagtctc 60
 acatttctag ttagctcatg gctatgaatg gctaattctc ctagtacggc gattatgatg 120
 taacctacca tgaaccctt ttctgatttt aataagattc tcgatgcatt ttagttaatt 180
 gattctcttt ttaattctaa tttttatttg gaaatggcca ttctaataca taatcgattg 240
 catagtagtg atcatctaca tataattggg agaattagga acaaagtgtt tcataccaaa 300
 ctgcatagcc aaactattca cgttatcttt ggtgggttga ttacgaaatt gattaatcac 360
 cctcatcatt gttcttaatc ccttcgttta attcaacacc tgcattgatta attgaggatt 420
 gct 423

<210> 8865

<211> 255
 <212> DNA
 <213> Glycine max

<400> 8865

ccttcaatga atgtgactta tctctttatt atgcaaattgg agaattccgat tcgagaacaa 60
 atcctttctca agaggggagag aatgatgagg acatgaccaa gagcaagggc aaggattcac 120
 ttgaacgact tggaggacct atgacaaggg ctagagcaag gaaagccatg gaagctcttc 180
 aacaagcgtt cgccatacta tttgaatata agcccaagtt ttaaggagaa aagtccaagg 240
 ttgcgagtcg catca 255

<210> 8866
 <211> 182
 <212> DNA
 <213> Glycine max

<400> 8866

agcttgagga gacgctaata tagttcatgc aaatatccat gtccaactat aggagcatgg 60
 agtcttccat caagaacctg gagatacaag tgggacaatt agccaaacaa atggctgaaa 120
 gaccactag cagctttaga gccaacatag agaagatcac gaaggaggaa tgcaggtctg 180
 cg 182

<210> 8867
 <211> 135
 <212> DNA
 <213> Glycine max

<400> 8867

cactatgaat actcagcttc atcagtgtaa tcacagcacc aaagctcata gtaggcgctc 60
 cttacacctc cattaattct ttgctttacc ttctcttcca ttgctgtctc ttcaatctat 120
 ctctttgcat ctctt 135

<210> 8868
 <211> 250
 <212> DNA
 <213> Glycine max

<400> 8868

agcttctagt ttctatttct agaccaaaat ccattattaa catctaggtc attaataagt 60
 tgaccatttt ttgaccagag aattttctat gaattatcct tatectttgt agactttaac 120
 ttaaaaactt aagagattaa ccatgcctag gtatcctatg gtaacatcta atctttttac 180
 catctttata gcgtaaaaac actatctaata cgactaccc aataataata ctgttcaccc 240
 cacacacatg 250

<210> 8869
 <211> 221
 <212> DNA
 <213> Glycine max

<400> 8869
 tccaagctta atttgatgat gccaaagact caagtcaaga attatagatt caagaatcaa 60
 agagtaattc aatcaagaat caagattcaa gtgaagattc aagaagaaga ctcaagatat 120
 gcaagaactt caagaaaagc atcaagataa gtataaaaag attttttcaa aagaaaagag 180
 gaataacaca acttgtccca acgaattctt tacagaaaca c 221

<210> 8870
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 8870
 cagcttgata gggagggtcca tcgataacag ttatcattat gcatagttga cgctcattgt 60
 gaggactaat tagtatctag gagatcttta tattaggtca gtacaccgca ttcaatcata 120
 aataattatt tatgataaac tcatgaactt ctataacaat taacttaaaa atgataggag 180
 taataattct catattgacg actatgtaaa ctgttgcgca gataatgcat gtctattaag 240
 ctctttttga aatcttaggg gattatttta agatatttag tgactctaata ttactgaagg 300
 catatattta gatttaaact ttttatcact ctcatacaaa ataatttttc aaaagacaag 360
 aaactatgaa tgatgtgtta tataaaaaac taagaagaat cattcaaagg ttaataatta 420
 ttcaaactta atatca 436

<210> 8871
 <211> 373
 <212> DNA

<213> Glycine max

<400> 8871

agtcaaacta acgtattgat tatatactaa caattttacat gtttggtaac acacacatga 60
tctgtgacac atgggacaga ggtggtgtta tgggtcagca cgaataataa atgggggggt 120
attcctgtga actgtgtatg ttgtgagcat ggataaaaaa tgagattata tataatagtt 180
atctagttgc taacatgact gatttttata caaattttac acatgtatct ttttgctctc 240
aaagttactt cgttctaata cttttcatgt aagtgaatat aatgagataa gtctcacatc 300
ctaaatcaat aaaaatattt tcaaggtcgc gtctgaaaat aaaaacaaca ataagtttct 360
tgaaatggtt aat 373

<210> 8872

<211> 130

<212> DNA

<213> Glycine max

<400> 8872

agcttgcttc taaaaattct tcatctttct tttgtttctt tggctgagaa gacccttcca 60
tagtgtcata ccttaatttc gtctgaggac tatcgatcgt tgatcttttg atcctcgcta 120
gtcgacttat 130

<210> 8873

<211> 332

<212> DNA

<213> Glycine max

<400> 8873

ttgagccaat atcttgactc atcataaacc ttgatccagc gtgtgaatgc cgatccttac 60
cctcgtatgc acgacacgga ggagagtga ctttttccac aaaggggatt gtgatcgcaa 120
catgggttcgc tcatgggtgcc taacacatgc cactacgaat gtactgtgaa gtttcacgct 180
ccccctcttc ttgtttctgc ttgacagacg aacactcaat gatgaccaa catgaaaacc 240
aatgggtatgc aattttgcag atcaaaacgt cttgttgacc gcatatgcat gatgatgcca 300
tgactcatgc aaaatgtgag cctggaatat ga 332

<210> 8874

<211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8874

cgctgcatgc aagcttctac anaaatcctt attaaagaaa gacttcttga aagggaggac 60
 cattattttac tgtgaacaat ttgctcaatt gacaacaagg ttagatcaaa ttgtttacta 120
 acaatcttta tattatgtca ttttcaatca atcaattata ttttttaatt ttctttaaca 180
 caggtccatc gtctacaaat ttattctatt ggggtggggt ctataacaca taaactcaac 240
 tttagaaaat gataaaaaga gaatgattat ctcaaatgat acaaaggtaa tatagtgaga 300
 ttatttttaa atatttatgt actctaattt aataaatgca tatatttaatt tttaaatttt 360
 ctatcacttt catacaaaat aatttttcaa agacaagaca ctatgaatga tgtgtataaa 420
 aaaaactaag aagactcatt ccaggttaat aattattcaa atttatatca tt 472

<210> 8875
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 8875

caattttgga cacacatttt aacctttctg atttatttaa gacatgaatc ttgttccatt 60
 atattcactt atatgaaaac tatgaaaacc aactaatgtt tgaaacaaaa agaataataa 120
 atatggtgaa aatcatgtga aaagtgagtg tcatgagcaa ttagaaaaaa taaaattaga 180
 tatttttagtt atctagttgc taacatgact catttttata caaattttac acatgtatct 240
 ttctgctctc aaagttagtt tgttctaata gttttcatgt aagtgaatat aatgagataa 300
 gtttcacatc ctatatcaat aaaaatattc tcaaggctcg gtctgaaaat aaaaaaaca 360
 ataagttttt tgaaatgcgt aatgtgtcat tagtaaaata aataggtgac catctaacaa 420
 ctttaaaaat tag 433

<210> 8876
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 8876

ttgaatttct caagagcttc cgttgttcaa tttcgagctt gtcgtcatat tatgcgcccg 60
aatcggacat ccgtgtgaaa agctatgacc atttgaattt ctagagagtt tccgatgttt 120
aatttcgagt gtatcgatat attataaacc tgaatcggac ctcaagtggta aatgttatga 180
ccatttgtat ttctcaagac cttccgttgt tcaattctga gcgtctcaat atgtgatttg 240
ctcgaatcgg acatccgtgt gaaaagcaat gaccatttga atttctcaag agctctccgt 300
gttcaatttc gacctctctg acatattatg cgcccgaatc ggacatccgc gtgaaaaggt 360
atggccattt gaatntctcg agagcttctg atgtttaatt tcgagcgcac tgatatatta 420
taagc 425

<210> 8877

<211> 386

<212> DNA

<213> Glycine max

<400> 8877

ctcagctata atatatcgaa tatgaacaac ggaagctctc gtgagattta tatggtcata 60
acttttcaca ctgacgtccg atacaggttt ataatgtatc gatacactcg aaattaaaca 120
tcggaaactc tctagaaatt caaatggtea taacttttca cacggatgtc cgattcgggc 180
gcataatatg tcgagaggct cgaaattgaa caacggaagc tctagagaaa ttcaaattgt 240
cataactttt cacacggatg tccgattcgg gcgaatcaca tttcgagacg ctcagaattg 300
aacaacggac gctctagaga aattcaaacg gtcgtaactt ttcacacgga tgggcgattc 360
aggctcatca tatatcgata cgctcg 386

<210> 8878

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8878

agcttgcaca ctcaaaggga catctcacct atatctntat taaaaactat catgtacatc 60
tgtccattac acaaaaataa caccatctaa gcaaacttaa tacttctata gtcatgacct 120
tttatctaag taaattatta tattttatttc tcctaattgat atagagattt ctccattccc 180

atattnttct atctttcatg ttctatgtct gcatttttac aatatttatg ctggtctcan 360
 atgtagttgt tcaggagtta caagagcaac atggtgctaa ttctaagtca cttaatgtag 420
 cgagatgtac atcttttaat aaagatggga tca 453

<210> 8881
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8881

tgaagaggcg aacaaaaaaaa gaacttagan aattgttcag ttgttcactc gctaagtga 60
 aactcgcgc taagcgccaa gtcttcacgc gctaagcggg ccctttctcg cgctaagcgc 120
 ttagaccct gattagtggc tggatggtaa cgctaaacac gccttgcttc gctaagccta 180
 attatctctc tggaatctga atttatcgaa ttgggcttaa cgaggtgaaa atctgtggat 240
 agcgctaagc ccaaatgcct ctatggattt taatttctcg cattgggctt agcgaggtga 300
 tgcgctaagc gcaattccct ctctattttg aaattctttg gaatagcgct aagcgccggt 360
 gaagcgctaa gcgcaagcca tcaactgcatg gaggagcatg tntatgcgct aagccccacc 420
 tttggcagct aagt 434

<210> 8882
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8882

ctgcggcatg caagcttcta tataagctga accattttat caatatacac aagttgagtt 60
 ttattcagag aattagagtt tatctctttt atcttagtga gagtgattct cctaaattct 120
 tgagtgattc aagaacaccc tgactgtatc aaaggacatt cacaacctt gtgtgttgcc 180
 ctgcgtggaa agagtgattc tttccttctt ttcattctca cccttggtct ttcaaaccac 240
 aattccagaa aatccacctc tgcccagaat tatctcgtgg ccataactcc cattntacgc 300
 actcaaatta agtgattctt gagcctaaat tgaatttcaa aacgagacct ttcacctcgt 360
 tttggaatca cctcatttgg agccctgtag cttca 395

<210> 8883
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 8883

tctgaatagg acctccgtga gaaaggttat gaccatttga atttctcgag agctttcgtt 60
 gttcaatttc gtgcagctcg atatgtgata caccagaatc ggacatccga gtgaaaagtt 120
 atgaccatat gaatttcttc atagcttccg ttgttcaatt tcgtgcatgt cgatatgtga 180
 agcacctgaa tcggacatcc gagttaaaac ttatgaccat attaatttcc cgagagcctc 240
 cgttggtcaa tttcgagcgt ctcgatatat taagcgcttg aatagcacct ccgtgtgaaa 300
 agttatgacc atttg 315

<210> 8884
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 8884

ctacatacaa cacaacgtat tatgcgcctc aatcagacga tgcgagccta caagctcgac 60
 aatttaaatt cttaaaatac atcgcttgat atcattcttg tgcgtgccaa aataggccta 120
 tcataatcta gcgtgggaga gaatataaca cataaactct gctttagata cctatcttta 180
 ttgaatgact gtctcaaacg atacaaaggc tatatactga gactatatcc aaaatttgat 240
 cgcctcttat ttaataggtg catatattcg aatttaaatt tttt 284

<210> 8885
 <211> 508
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8885

gcccgcgcg atgagacctg attagegact cttgaagctc cgcttaaata tatcgcttgt 60
 gaacaacgga agctctctag aagatttcat gctaacatca ttgctgctga agacggcaca 120
 tgtgtgctac gcagccatac actcgaagag atccatcaga accgctctca aattgcatac 180

ggcaatatct tgacaagagg attaccgaica acgtcgaca ttatgaatgg aggctcgaaa 240
tagagaccgg tgaggtgaga catttttata gggttgtgac acacgacact gttggatgaa 300
agagtaaatz ttcttcataa ttcacgttgg tgaatatcct gacttcagat tgacatcctc 360
tctcggtatg catatgaacg tggcgcggat gagcataaaa tagacaataa gtcctttgat 420
atggacaatz agacactcca tanaacaaat gggaattcta gtaacgtgga cgcactcatc 480
gctgaatata ccataacgtc gtacgggg 508

<210> 8886
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8886

agctntaacc tcatcgtctc tcacagtctt tagatttggg agccaatcca atccttgtgt 60
tcggactctc agccacttat gatagccgcc gatgatcca ttactgcttc ccctaagctc 120
tctgtccttt cttcatgccg catcccatgc cttgcgaact ccttggagta ccctcgcgtt 180
gtggtcactt aaaccccggtg cgtatgaaagg cgtgatgctt tcgtctgatg gcacttctct 240
catggggtag ccaagctgtc ttatggcaag gacgagatta taattaatac aaacccttgt 300
tcccatctag agaacatttg gacatccttc gcatgaagat agaatcctga ttcttccttc 360
cttctagcga gggaaccaat taacagacgc cccttcatgc 400

<210> 8887
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8887

tctgccccaa ttntctataa atagggggag aagtgaagtg aataagggtt cagcccccta 60
cgcacttatc tctctttcga atttgcttgg aaaaattgtt tctgtgaaga aaatccaagc 120
cgaggcgtt ctgaaacgtt ttcgtaacgt ttccgtgagg aatttctcga aggtttcgac 180
cgttcttcga cgctcttcat tcgttcttca tcgttcttcg atcttcaacg ggtaaatacc 240
tcgaaccaag cttttcgatt cattctatgt acccgcggtg gtccacattg tgtttcgtgt 300

atttntattc tcgtttcatt tactttttat accccccttt gac 343

<210> 8888
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8888

agcttaatat tgaaattata ttntttntat tcctttaaga taaaatatgt caacttatct 60
 tcaataaaat aaaattagca gtttttatag cattaatttt tattaagtta aattaataat 120
 gctcaaaaat ttcatttggt cagctagata tcaacataga tatgctgcaa ttgcaaatt 180
 tcttatagca ggtgtgcact agagtgtgaa taataagaat tattttgttt gagaataaca 240
 ttcaaagatg ctctcttatt ttttttagct ctgataagggt gtggtcaagc tgtgttttca 300
 attttctttc attcctgtca gctctgggtt ttttaggaaa ggtggctcat ttcattcttt 360
 aat 363

<210> 8889
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 8889

tctagaagaa ttatcggcta tctgcttagt cagctatcct acttgaattt ccaaattatt 60
 tatagtagac tttgtgctca tgtgatttga cattgcaact tgcattgaact gaacccaaat 120
 ctcttcagc ttgattgttc tctcataaag gctacgccct tgattttaag gcctgttgga 180
 tggctcctct tggctcttat tgaattgggt tccaggatga gacctccact gcccttgatt 240
 atgattaaaa ttggaaactt gctagtaacc tcgcaaatca cctgcattaa atcctgggtct 300
 gtgctgattc ctcatataat tcacctcctt tgcagcttca ttaagagata tacaacaatc 360
 agattcatga gctcctccac atatgtctaca acctccaacc tgcagaacta ctgaatgtga 420
 acggtgagtt gc 432

<210> 8890
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 8890

agcttccccc aaccaacccc aagagtcgag ctctcccttg aagcattgtg tcacggattg 60
tagaccatth ctcaacctca acttggtggtt cttctgagag gacttggagt gcaaagaatg 120
cacaagaaac accaaaatac atgggatata tgctttcagt gtcactcttg ttgtcacacc 180
catctctatc caaaacagaa acttccttct caccattcc tgtgagatcg gattccctgg 240
cacctctgca actgaaaacc aaaagttaag aaacaaaacc agcaaagact gtaattccca 300
cattacctta caactcacat gattc 325

<210> 8891

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8891

tatcaaaaca ggtccttagt taaaggcctc tttctccacc gctgtgccac tattagacta 60
aaacgttctg cagaagacta aattaactta gagccaaagc caaaaacggt tcaagacaaa 120
agcaatagta aaacattgct aaaatgaaaa ttgaagttag agaacacaaa aatgaataac 180
taaattaaaa ctaaaattga cattagagaa cgaaattatt gatgttacct tgtcatttca 240
tcatatatat gaacatagta aaatcctttc tttttctttc cattattcaa caaacctata 300
tacatatctg gaagggttatt tccgtctata cgggcgttaa tacaatagat aagagatgaa 360
ctacccaag aagcttgggg cctggtntat tcagcanata tctgctcaag catacagaga 420
atcaccacat aagttctaata cacatatt 448

<210> 8892

<211> 307

<212> DNA

<213> Glycine max

<400> 8892

agcttagcgc gcctctgtgc taagcctaata tacttctctg ttttaagattt atgctgagcg 60
cgtcatgtgc gctaggccta aatacctctc tgcttttatt tgggttttagc gccactagtg 120
gcgctaggcc ccccgctctc tgattcatga ttgcgctaag taggaccctc acagcttaga 180

gccctaacgt ttcattgtgca ctagtgetaa gtgcacccat cgtgggettaa tgcactcatt 240
 tgggttttgtt gcttcccttc tttacttact tttccatctg taattcttct catgcttctg 300
 atggtct 307

<210> 8893
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8893

cattgtatgt aatgtgtgtt aaaataagtt gtagatgttc cctttgagtn ttgtttacgt 60
 ataaatataa taatttctgg tcctaccatt ttgaaaaatt gaaacgctcg tcaatttttg 120
 aagctaaatt gaatggctgt taatgggtgg taatgaccac taatgaatta taacagccaa 180
 taatgagcgg taatggctac taaatgcatt cttgatggta gaatgcctat atatagcaca 240
 tgtatttggc ccgtgagatc atctctttga attcattctg atacaccatc tacagagaga 300
 aagaaagaga gcttgaaaga accaaaacaa gacaactctt catggcaatg gttggaggta 360
 tgatttaata tttattctcc gcattttgtt aatgacctgt gtntcttttg tagtttgcaa 420
 catcacacgt taaaacgtgt agtctaacat ttggt 455

<210> 8894
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 8894

agctctgctt taggggcaat gatacgacca ctgataagca atggaagcat gagaaaacat 60
 gtgggcgtgc cctaggccta agatttgaca aagagagtgg agatctatac atagcagacg 120
 catactatgg acttgttgtg gttggaccta atgggggact cgctacatcg ttggcaacct 180
 atgttgaaag aaagccatt ctcttcgcaa atgagcttga cattcataag aacggatcca 240
 tcttcttcac agacaccagc aaaagatata acagagtgtg agcctttatt actcatatac 300
 tatacatcat ttgagtatat tcatgcactc attattgctt tcaatggatt attattgttt 360
 acaacgtact tattacttgt ttgcagcggc cattctatta tattat 406

<210> 8895
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8895

agcttctcag attctccttc agattctccc aactcgctaa gcgggctgag tgectcgctt 60
 agtgcattgac tctcgctaag cgcacaagcc tcaacttggcg agacaaccagc tgctagcctt 120
 cacaaatttc atccttttta cctgaaattg aagttgaaac acattaaatt cacaatgttg 180
 ggcatttcta ttgaacaaaa ctactactaa cctaaaaata agtataaatc taaaaaaaga 240
 accataaatt ggggaaaaag acaacattnt ataacatttt tctatacana agttagtcgt 300
 aaatgacgac taacaaact 319

<210> 8896
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8896

ntcaaccag tagaaataac atatggctca cataaattag ctggtacata accaatgctg 60
 ccataatgac ataagacaat ggatttgttc tcaccataag catcccttta caaatcccta 120
 ctttatttta cttcttttta atgactcagt cacatccctt ttacaaatta aaataaaatc 180
 attgttcaca ctaaattgcaa atttatgctt gcaattatta aacttggaga tcagagttgc 240
 tcacaaaatt atctacgact atgtctctca caatttttat ccaactattc aaattgatgc 300
 gacgtggtaa cttgcattag cctaggaaaa catatattta gacatataac agtttanatg 360
 tttagccata aatctgttac aaagaactct attttgacct cgttgatact atctaacccc 420
 ctaacgtact gcatatattt cacagaatg 449

<210> 8897
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8897

acgcttgatg atatggtctt caccgacgaa aggttcgatg tgggtctaaa aagaggaaaa 60
 ttttagtcac ctgcttggac gaatgagana actggggcaa atgaagaggg tgaggatgaa 120
 ggaaaagccc gtgctgtgac tgccattcct atacgaccaa gtttcccacc aaccaacaa 180
 tgtcattact cagccaataa cgacccttct cattacctac caccagaca tccacaaagg 240
 ccatccctaa aatcaaccac aaagcctacc taccgcactt ccaatgacaa acaccacctt 300
 tagcataaac caaacacca accaagaaat ngaatttgca gtgaaaaagc ctatagaatt 360
 caccccaatt ccagtgtcct atgctaactt gctcccatat ctacttgata attcaatggt 420
 agccataacc cca 433

<210> 8898
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8898

cataccatct actatgccaa caaagttata aatgatgcac agatgaatta tgctaccaca 60
 gaaaaagaaa tgttggcaat tgtctatgca cttgaaaagt ttaaatttta tttggtaggc 120
 tcaagagtta tcatctacac tgatcatgca gctattaaat acttgctcaa caaggctaatt 180
 tccaaaccaa gattgataag atggatTTTT ttgttgcaag aatttgattt ggtgattcgc 240
 gataaaaagg gatcaaagaa tgttgtagct gatcatctgt caagattagt gaatgaggaa 300
 gttacagcaa aagaagtcga agtgagagat caattccctg atgaatcanc tattttaata 360
 agtgaaagac cctggtttgc tgatata 387

<210> 8899
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8899

acacttaggc attcctntgga ttatagagac tagatctttc aaatgttggt atagaaacgg 60
 attgaaaagc atctgtggat agttttcaag ctgacactaa gggctcaact gatttccatg 120
 ttatcttgaa tagttgtaga gatcttcttt catcaattcc aaactctaga gtgagttttg 180

taaagaggca agttaatcat gttgctcaca accttgcaag ggcatacaaga ttttatgcta 240
 actctcgtat ctttgattat attccctcat gtattgtttc acaaattggt aacgaaataa 300
 tataactttc ctgtaaaaaa aaaaaagctt aagctgtaaa gtgaaagcac atgaataatt 360
 gtatatctaa aatatactct cacacacact ctttaaaagc ctaaccctac ctttgctaaa 420
 tttacttaaa aaata 435

<210> 8900
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8900

cgtacatctt aactaaaatt ggaatcctct tcctacgtac ctatctagga agctatagca 60
 agtaaaaaaa aaaattgacg atgagagaca agccatgcca tcaatttgct ttctagaaga 120
 gacagtatcc aaaaggcgac gaaatgaaca taggaaaaca tggctcttgta ctcttggtgc 180
 aaaaaagtga acgagacaga agaaaagtct ggcatactgg aaatttgcat acattgaagg 240
 cttgcattca tattatagaa gagaaaaaag aatagtataa ttgcaggcaa acttatatac 300
 attattatag gggtcatgag tntttgtttt actgtaccat tccccaaagt aaatgtactn 360
 attttggtt gaaaaaaaaa ttggtggaca ccaaatactc gataacatct atagaggagc 420
 ggantgagag agaagacact actattagta taatgagaaa tgctctatgc 470

<210> 8901
 <211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8901

ttaagtcacc tgcggcatgc aagctntaag agcaattcct ttctttntct tatcattctc 60
 ctcatgttga ttcaatctca tcaattccat ttcatgttcg tgtaactttc caaacaagc 120
 agcaagagac atgttagata gatctcgtga ttcagtaatg gctgttacct tgggttgcca 180
 ttctctgctt aagcatctca aaactttatt gataagatct tcatttgga atgtttttcc 240
 taaagatgca agatgattaa ttatgtgtgt aaacctcttt tgcattgtct gtatgggttc 300

atttggattc attctaaata attcatattc atgagtcaaa atatttatcc tagatctttt 360
cacatttggt gttccttcat gggttacctg taaggatatcc catatatnct tttgcatttt 420
acaatttgat aactaaagt attcattcat cgctaaagca gatgtaatta tatttttg 478

<210> 8902
<211> 373
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8902

gggccaatga ctntcggttt ccacacctga gttgacttcc gtaccaccgg ctactctcc 60
ttagatattg gccccccggg catcttcttc gcttgatctc tttgatatcg aggaagattt 120
gcaaaaagct tatcccttcc aatgaaaata ttgtctagct tcatggcgaa tcgttccggc 180
tcttgaatcc ggcaaaaacg agcaaaaccg aatcttttac ccactctatn tctccttgtc 240
ggaatcacca cctcttgcaa gtcaccatag ctctgagac tgttgaacaa gtgcttcgca 300
ttcatctcct ccgcaaaatt ggtaatgtaa atcggtgttg attgtagttg ctcttaact 360
ctttggtecc tgg 373

<210> 8903
<211> 438
<212> DNA
<213> Glycine max
<400> 8903

cttaagtcac ctgcggcatg caagcttggg tcccaacgct ttgttcagac tctcctaaaa 60
tctagaggty aatctaggat ctctatcaga cactatgcta gatggcacac tatgtaatct 120
gacaatctca ctaatatata gggagggtcaa cttctccaag gaaaatctga tcttaatggg 180
aatatcctta gggaacactt caggaaactc tctgacaata gggagggtcac ccatggaaac 240
ctttgtctct acttctaggt tagacatgat catgtagact taagcatctt cttttaaaga 300
tgtcacaact tggttggcaa agataaacat cctatcctta ctactccag aatcatcaaa 360
cactgcattt ttattaaaac aatttaacaa gacatgggtg gaagataact agtccattcc 420
cagaataaca tcaatttg 438

<210> 8904
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8904

ntcatttatt attctntgct aagcaaagtt atcctatatt tgagctctat tgtttattca 60
 ctcattgagt gttattgaat atttgtgttc attcaaactt ctatTTTTga aagccaagag 120
 tgggttagtg ttaaacaata gttgagtttc ttagatttac ggggagtcta agaaagtgtc 180
 agaagttgta ttaagaatac ttgtatagct acgagtgcgg gtcacgatac tcgttntgta 240
 atgaagtttt gattagtgc accctttact tttgactaaa ggagaattgg gcgtagctta 300
 cgttgagtga atcaatataa accaagtgtt tcaacttctc tccttaatat cttattaagt 360
 attctatcgg cactctctat ca 382

<210> 8905
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8905

agctcgctc aaagaggtcc aggaaggaca aggcggccga aggaactatt tccgccccgg 60
 agtacgacag tcaccgcttt atgagcattg tgcaccagca gcgcttcgaa gccatcaagg 120
 gatggttggt tctccgggag cgacgcgtcc agtcaggga cgacgagtat actgatttcc 180
 aggaggaaat agggcgccgg cggtgggcac cactggttac tcccatggcc aagtttgatc 240
 cagaaatagt ccttgagttt tatgccaatg cttggccaac agaggagggc gtgcgtgaca 300
 tgagatcctg ngttaggggt cagtggatcc cgttcgat 338

<210> 8906
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8906

tgtgttttcc cttgtagaac tactaactgc agtaacagat tctcctgaaa tctgttgagt 60

cccacatcga gtagaagtgg aaaggttgag caccatataa gtgaggagaa gacccataaa 120
 tctgagcctt aaggttttgg gttagagtgt gatgtcagat ctccttatgt ggtggctcgt 180
 ggtccacagg tgtacccttc gaatctcccc aacaattggg atctgagctg atggttcaag 240
 ttggtgaccg gctcagacga gtatgcaagt actgcaggtg gccaaaatgg ctagcggcac 300
 agcgtgcccc gcaggtggag cggngtggcc agaatggcta gcgggcacgg caagtaccgc 360
 aggtggccat ggctatactt gtggatgata a 391

<210> 8907
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8907

agctngatgc tgcaaactta tctgtatcca agattggaga gcacatgtca ggaggttcta 60
 gtggcggtc ctcagctggt ggttctcacg gaggcgacca ggctcccgag gcagaatacy 120
 atgaggagaa gaagtaaggc gaggaggggt ttgtatccac ttctactgag ttattttggc 180
 tagagttaga gatgaatcat cttttttcat tcagcatatg atataaggta ttttgtacta 240
 caaggctgga gttcat 256

<210> 8908
 <211> 405
 <212> DNA
 <213> Glycine max
 <400> 8908

gtaactacat atcttctagg tgtctgagtc atgttaaaag catttctacg gcagatggaa 60
 ttaagaggaa tgatctaccg gcaagatagt tatagcttct gcccttgata caagggggta 120
 ggcgaaacttg gacagcctgt gaacaattca tcccaaaaact caaatatatg ccactaaatc 180
 acacaagtga tatataaatg acatgtgtga aaaaattcat tattttgaca tttagaatat 240
 aaaaagcttg tgatatttca caggctataa tgtcaagtga aatataatgg ttaccaagt 300
 attcatctgc ttaaagtagc taaatcgaca gcagaaatca tagagcaact gaagagttcc 360
 actcttcttg ctctaataca ggaaactgaa gagtctggtg aggag 405

<210> 8909
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 8909

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agcttaaagt atgcccggtg cattcatccc tatgagatgt tgttgaagta ttggcgatca 60
gaattgccat tccttggatt ataggattga accaagctca tgcttttaca aaaagggttca 120
tcaagtcaag ttgaaatagc gaagtaaccg tcttgcaaaa ttggggcaaa agatgaatcg 180
agtcacatca ctgcttcacg tactgccaaa catatttagg attgttgaag tccttgctac 240
ttccagtttc accttgacaa agttgtcatg gaccatgttg aaaatctaaa ttgattcaac 300
cccatatcct gcgtaaaaat tcgcaatact tcaactttac atcattcgca tgcattcatg 360
cttttcattg gttgcattgc tcattgcatt c 391
```

<210> 8910
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8910

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tgtagaatgg ctagacatga tacatgtctn ggtttggttc ggttcaagga taaaagggat 60
gccccacatt atttccatga cacaaatgca aaaatgatga ttaggaaact ttatgcaaaa 120
ctggatcatg atgcacctat gtggacactc aagtgtcaaa tctttatggt catgtgatgc 180
taaggctcaa gattcatttc ctctatttta gtcaacccaa cgtttccaaa atatgttctt 240
ttatcaattt gtgcattcat ccgagtccat tctgggcgtc tgggaaaatc ttcacagcat 300
tcacccttca ggtgtatata cattttttca aaaactagtt atgatcagtg aattttttta 360
aagaaagttg gaagtcattc ctcttcaaaa gcatgttggg tgttcagctt gacaacttat 420
actcctcttt tctc 434
```

<210> 8911
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 8911

agcttgctcg ataagccatt gatgtccagt atagtagtcg cgctaagcgc aaatccttat 60
 ctgttttgaa aatttgtgga attgggcata gcgagcctgc tcgctaggcc aattctgcag 120
 aaaaaaatgg atttgtgttc actcgctaag tgtgtggtag ccacacgctt agcgcataag 180
 tcatttttcc taaggcacgt taagcgagtc acttgcgcta agcgcctaga ctgaatttca 240
 attttgttta tgattcttaa tttgaataaa ttcttgtcta atcttatggt tcgattcttt 300
 tgtatt 306

<210> 8912
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8912

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 gcacgcttag ctgagcctct ccaaaatgac ccttacgctt atcgcacagg gcgtgcttag 120
 cctaactata aaaactaaaa aacagttaga gagttgagct tatcacagca gggcacgctt 180
 agctcaacct cctcgaaaca caactatggc ttaacgtggc aggctgcgct tagccttatt 240
 caaagagtta aaacacaaaa cctagatggc gcttagtgca gcaagttggg cttagcacct 300
 aaactactct aagtgtctaa aacactaggg ccgcttagcg cacagatgca cttagtgggt 360
 tcatcatatt attcatcagc aacgatgaac gcacttagcg tgatcatatg gaataccaaa 420
 naaattaat 429

<210> 8913
 <211> 170
 <212> DNA
 <213> Glycine max
 <400> 8913

ggacgactct tgagacttgt tgagagaatg ggccatgtgc ccgccatttt cctctgtatc 60
 caattaaatt ccaatacgca tgagagggag cataggcact aggttagcatg gcccgcacct 120
 tgtaaggatc atatcatacc tcatgtatca ccccatccct gacccaccac 170

<210> 8914
 <211> 510

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8914

cgacgcggca tgancccttn ntgacgcatt gatcagtgc acgtgaatctc agctaaatat 60
acgattctat tatactcagc ttggctcact tatcttcttt atatagccac cttttgacag 120
atacactata gctatcttca cacacttcta ctgatgctct acgcccata taaatgcctt 180
atgtgacat aacaacgcgt tcatacacct actacttatc atggctcgga ggacgccgtg 240
aatatactat actattgaga attacgaata taagggccga agggaaacta ttgctattgt 300
aacatgtact cataggagcg tatcccaact tggaccatgg actcattana tctaccctac 360
ggttcatgag aatctctcgg caatggttat gagctatata tcaagcctct cgtagtggtg 420
tagcgaatac actagtgcgg tgcgagttga tgatccctc caccttcgga aggattggaa 480
ctgatatgcc gaggttctat gtactttatn 510

<210> 8915
<211> 229
<212> DNA
<213> Glycine max

<400> 8915

gacaatcctt tgtctctcac tcaatcctta ggcccagcac ctagatattg agtgtgaact 60
acgtataaga atggacgatt tcccccttga ctgtgactcc tgaacacaaa agtatgaaag 120
ttgcacagac ccattggcgg gctattgacc aaaggggcac cggccggtca caatgatact 180
gtgagtacat agcggttgcc gtggacgacc gttaccgtac gtctacact 229

<210> 8916
<211> 204
<212> DNA
<213> Glycine max

<400> 8916

aggacatat tgacagagg gggttcacta cattgacgga tgacctaaagg agatacattg 60
agattctaga tgtatgtcag attacgatcg ttcacgaaa ctacgcgaag tgtgacacat 120
gcttatattt ataggctagg catctaactt gagaagatac catgacatat cattcctgag 180

aacctggagc ttagctacat acac

204

<210> 8917

<211> 125

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8917

tgcttatgca cggaatatgt aattatgaaa ttgagatgcc tgaagaaaca ccatttccta 60

gttaaccatg ccttaggtac catcttcaat tattgtgttt tgctgccgng tcatctcctc 120

cccc 125

<210> 8918

<211> 401

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8918

ntgatctacc accatcgcca ccaccatcat cttagtnttc tattatgtta tattattagt 60

actttgattt ccagcgttgt attttggcta tattattatg atatttgaac aatttactat 120

ttccttattt gcatgggatg tttgaacaaa tattaagtat gttatttggc tatgtggatg 180

ttatagttaa tctattcatc attgctgctt catgatttgg ttgatatttc tccatacatg 240

ttgtatggat gcttagttat atgtgtatgc ctcaaatttg ttacacactt tggctttttg 300

ttgatgtcaa aggggggagag aaatatggac taaatcaaga actcacatga gtaatcaact 360

taatcttaag agaagcatan attcataaac aaaggggggg g 401

<210> 8919

<211> 450

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8919

agcttccatc acanaatagc tactaaggctc ttgttgtcga gattnttctg gccaacactt 60

tttaaagatg cccatcacca tgtcttaaag tgtgatcaat gtcaaagaat ggtggatttc 120

ccgaaggaat gagacgctc ttcaaaaaat tatggagggtt gaagtttttg attgttgggt 180

tattgacttc atgggtcctt tcccctcatc tgctagtaat aagtacatcg tggtagctgt 240
 agattactgt gaatgtatgt atacatgatt ctgatgatgt caaaagaaga atcaaataag 300
 gctcatttgc ttcaagatta atacaagatt gtntcaacaa ataaagcctt gattcaagat 360
 gtcttcaaga tcaagtcttg cctcacaatg aaaggtttca agtcacccaa ggcataatgta 420
 atcgattacc aatacatggt gtcataccct 450

<210> 8920
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8920

gggagaggat gcttcaatgg agganaagaa agagggagag atttagagag gggggagcac 60
 gaaattgaag gaagaaaaag ggagagaagt tgaactttga gttgtgtctc acaagactct 120
 cattcatcaa agttacaaca agtgttacac atgcttctat ttatagacta ggtagcttcc 180
 ttgagaagat ttcttgagaa aacttccttg agaagctaga gcttagctac atacaccct 240
 ctcataacta agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga 300
 gcttagctac acatacctct ctaatagcta agatcacctc catgagatga gaagctagag 360
 cttagctaca caccnctat aatagctaag ctcaccccca tganaaaaaa catgaaaata 420
 cagaaaaagt cettactaca aagactactc 450

<210> 8921
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8921

atatcaaaa cctatattca atttttggat tatgcttaat gagttttgta tatttgacat 60
 gtgaatcaag attctaatat atactttaga ttattattat tatatcatat cttatataat 120
 atatggtgat tgcaatgaaa gtaaaaataa tatatctcga tcatcgtgtg atattggatt 180
 tgggtgtacat gtgaggtatt gatatatata tatatatata tatatatata tatatatata 240
 tatatatata tatatgtgtt tattatatat tggatatata aatagtagat tatttctttc 300

acatatataa atgttatata aatatagatt aaatatgtga atgataagat gtttaagggaa 360
tatttatttag atgtaacata ctttgaatag cattgtagac gaaaactatc gtgtcaacat 420
cgctatataa attgatgacn 440

<210> 8922
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8922

ntctcaagag gattctntga gaagctagat ccttatctat ccacaccctt ctattaacta 60
aattaacttc cttaaaaata attacggatg aaaataacgc aacaaataat caaacatcaa 120
acataattac taataatata tagatatata tatcaggggtg ttacagttat catctttgtt 180
atcattaaaa catctttgaa tcaactctga ttcacatga agctttgctt ctacactacc 240
aaatagaaca ttttttatca tcacaaagtt tatagcttat atattagttg aattattaag 300
ttcatatgtt tttcttcatt tcttcaaatt aatttgacat atgaggggtg acttattta 360
aaatcgtata aggaatttgg tccaaattcg gttagttgaa ataatttccc ctcatatatg 420
atatatacag gaaaactcag tagtaagaa 449

<210> 8923
<211> 407
<212> DNA
<213> Glycine max

<400> 8923

agcttaggtt ggaccgacaa tgcaccaaatt taccatctt ccttcctatc taatctctaa 60
cccccaatcc agtttgctgc actgatgtca cccttattcc agttcctcaa atttatccac 120
ggatatcattc acttttcaat aatgtctatt atttactaca aatatgactg tctatttagca 180
tatccactgt tctaagtatt gcataccact tcttagaaca tgcttaaact acctacgtat 240
gtaaatacta ttttattata tgcaccgagg caatagtcaa taatgcatgg aaaaacacaa 300
actgaaagag taaagaacaa ttctccaata taggagttgc tcagcgtgta aacactgata 360
tccataacaa ttctctttgc caaatactac atccacgtta actagtc 407

<210> 8924
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8924

ntgccatgtc ctttctagaa agcacatgca taacgaagtt cctcanatag tcatcatcan 60
 acctagacct caatccgaaa cacacgacca tctgcagaaa catgacgact tcggcagcac 120
 cactctctga ttccccatcc anatgctcct tacacgtttc cacaaccgca acggctctct 180
 ccacgatctt tctagaatgt tcccttgact ctgacgaaac catcagcgcc tgtatcacia 240
 gcccgcacgc ccacctctta tccgtcaccg cggacttcgc caccttgctc ttcataaact 300
 cctacactgc ctctaccacc agccgcgccc ggtccaccgc ttactccatc gccgcccgtc 360
 tctccgcccgc c 371

<210> 8925
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 8925

agcttacctt caattattgt gattcatggt atattgtcta attacacttc ttacttattc 60
 atacaatact atgtttcaga tttatccata cacttggtat tatggataaa aataaatgaa 120
 atacttttac actcaatctt attactataa aaatctctat tgaatctcac tattacattt 180
 gattaccaca ttattataat taaaggatat ataagggagg aaatacttta taatgatcag 240
 aggagggaat aagggtgaaag gaaagaagat atagggtcat aatgtcatgc acaaccagtg 300
 tatctcttta taccatgtat aataatacat cagtctcttt ataccatgta caactagtag 360
 atcaactatc ttatacattt gctcaggcct tta 393

<210> 8926
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 8926

ttttagata atgttaatgc ttcacctgta ccgttgaatg tgttgtcagt gccatggttg 60

ttcttaatgt ggggcataga tgtgattggg gctatcgagc ccatggcttc aaatgggcat 120
 tgtttcatcc tagtcccat tgattacttc accaaatggg tggaagctgc ctcatatgct 180
 aatgtgatta cgaatgtggt ggtagatttc atcaacaagg agataatttg tagatatggg 240
 ttgcctagaa aaataatcac cgataatact actaacttga aaaacaaaat gatgaaggag 300
 atgtgtgggg atttcaagat ccaacacccat aattcgacac cttatcgacc caagatgaat 360
 ggtgaagttg aggctgcaa taaaaatata aagaagctca ttcacaatat gaggatgtca 420
 taca 424

<210> 8927
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8927

gctgctacac agagaacaca caaaacatca ttacatagat agaaatatat ttacatcagg 60
 tacctacagg gaagatcaa tagaggattt agctttccat agtccgaaa ccttctttac 120
 aacacaaaga agaacaagat gaaagattgc aaaaatacaa gtggtgagga tgtctccttc 180
 acctctaggg tctcacaatc actcacaac tcctctcaag ctctcagaac ggcttccgct 240
 tcgagctctc atctctgcag atcttcacac aacaaaatct ctcaaaactt tntggaactt 300
 ggacctttct ctctctagaa ctctctaaac attcaaaagc 340

<210> 8928
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8928

gtgatggtgt cgagaagaaa tcacatgttt gtcatcatca aaaaggggga gaatgtgaat 60
 gtatgtatac atgattntga tgatgtcaaa aaagaatcta acaaggctgc ttcaaatgat 120
 aagcatttgc ttcaagaata attcaagatt gtttcaacaa acaaagcctt gtttcaagat 180
 tcactaaaga ccaagccttg ccttaaaaca aagtgatttc aagacatgca aggctctggt 240
 aatcgattac caggaagtgt aatcgattac cacaagacgg cgttgagaaa tagctgttga 300

aaaagggtttt gaatttgaat tttcaacatg taatcgatta ccatatgtct gtaatcgatt 360
 accagcaacg aaactttgga aactcanatt caaaagtcac aaccctctca aatataactg 420
 tgtaatcg 428

<210> 8929
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 8929

agcttgagggt tataagggtg ttggttgaca atgctcgaga atataacatt gtgcgataac 60
 tattgtgttt caatggcgcc aacattgcc aacctcatat acatgctga gaatgaggga 120
 atgtgataca ctataatcgt gaaccgtggg tgaggaatgg ttatttgaaa ttaaaagaga 180
 ctcatattata gaatgttata ttaataaagc gttttaaaga aaattcaatg gctactgtca 240
 atctttccag tgggcaggat gataacgtag gaggacaagg cttgcccac atcccttact 300
 cacagatacc acactttctt ccaagggtac ctagaacatg ttaactttt 349

<210> 8930
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8930

ctaatagtag ggaaagagca cacaagatgc tattgtgaaa agagaaaaag ttatagaaga 60
 cttgaggaga agaaaagaan atgagatagt tgtatgttta gacaactcgt acaattttca 120
 aatgtttgaa aactccctcc aacagccata aacaactaac ttccaagctt atttaatgag 180
 atcaatttga acgagcttgt tgcaacgaag gagtgccaca aagagatggg ttgggtcataa 240
 gagttgagta gtcagaaag atacctcata tatataaaaa aaacttttta gtcaaaacac 300
 tctacgttag agctaaacct tgtcgatcca nanacaagtg taaacacggt catcagagga 360
 gtcacaatg 369

<210> 8931
 <211> 385
 <212> DNA

<213> Glycine max

<400> 8931

agctgtacag cagatTTTTT aatgaccac tatcctagaa ttaagataac tcaatgccat 60
taacctatgg aattaaaaca aacttaatgg ctgagtgtaa ctgatatagt aggaaccaat 120
atcacccctt acatcctaca tgtcaaccac cattaggtct cccaaaaggc tgatgcctac 180
attgccaaat gggcccttat tacaacttga actgaagccc tattagtga ttaaccata 240
acatattttt ggtcagccaa ctttactagg attgggcat tattttgaca aacttaacac 300
tctaaaattg aaataaagag gtgtcattta gtcctccata tgggcatga tacaactcac 360
aaccttgac ttttgcctt gaaac 385

<210> 8932

<211> 258

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8932

ntntagcaat tcagatggtc ataacgtttc actcggatgt ctgattcaag cgcataatat 60
atcgagacgc tcgagattga ataatggaag ctattgagca atcccaatgg atataacttt 120
taactctgaa gatcgataga tgcacatgat atattgagac gctcggaaat gaacaacgga 180
tgctctcgag aactcgaat ggtcataact tttaactcgg acgcctgctt gagacgcatt 240
atatatcgtg acgctcta 258

<210> 8933

<211> 367

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8933

agctngagct tggttcaatc ccgtaatcca aggaatggaa attctgattg ccaatacttc 60
aacaacatct catagggatg aatgactcgg gcatacttta agctatgcat ggaaaatgta 120
attatgaaat tgagatgccc gaagaaacac catttcctag ttaaccatgc attaggtacc 180
atgttcaatt attttgtttt gttgttgtgt gcattttttt ttagaaatgg gtttatgac 240

ccaacatggg tggctcatgg tgcctaacac atgcaactaa gaatgtagtg tgaagttttc 300
 acgcttcccc tttttttgtt ttggtttgta gaggaaaatt gcaggatgaa ccaacattga 360
 aaccaat 367

<210> 8934
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 8934

ttgaagggac aagtcgagag tggaaagtat gatattagag gacaagttga aggcttgtca 60
 aaggtcgaag aggagcttga ccgaatagtt gagaaggatg gaagagaaca tgtgggctat 120
 cattgaccag tataaagaga agctaaatct agcagctagc cataagtaaa ggctagagga 180
 cgagcattca aaagtatcga tcctacaagt agaaagggaa gcaagggaga gtgtgatata 240
 ttcattacac agagaagcta tgatgtggat ggatagggtc gctttcactt tgaatggaag 300
 tcaagagctt ccaagactgt tagccaaagc caaggcaatg gcggacgtgt actcgactcc 360
 cgaggaagtt catgggctct tctgatattg tcagcatatg atcgagctga tgtcccat 420
 aattacgaac tact 434

<210> 8935
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8935

agctntaatg gagcttacat catgtggtat cattcacatc ttcattctagg tgatgttctt 60
 ttgcttcttc tatctttttg ttcggtgaat tatctttaat tccttgttct tcatcttatt 120
 ctccatgtac atcctccatt gtcttgtggt ttgggtgttg ttagagtaga ttaaaaaaaaa 180
 taaaccgatt aaatcttaaa tctacacttg ttcttgcatt tctatgggtc aaattttgta 240
 gatctactct tgaatcatat ttttgtgttg attntagctt ctatcatttt tcattcataa 300
 tattcttgtg ctgaaccttt agatctanat tttcttctta aatattgatt agaaaaaaaaac 360
 acaaaaatct aagcggaat cactt 385

<210> 8936
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8936

tcaagctttg agtagaacat gggaccactc atttatttan attttnannt tnaannnann 60
 mnnnnngaaa tcatatctag tcaaggtctg agagaccata caagtttcct aacgatttct 120
 aattatgtgg gccattaagt ctatcatatg ctgacaatag ccgagaagcc catgaatctc 180
 ttcgggggcg gagtaggtgt ctgccatcgc cttggccttg gctaacaatc ggggaagtgc 240
 ttgactcccg ttcaaggtaa gagcaaaccg atccatccac atggttgcct cttggtgtaa 300
 agagtgcgac acccttcctc tagcctcttt ttccgcatat acttgggcat actcatccgc 360
 gattctatgc tcgtggggcg tggctagacc caactcttct tgggtacttg cgatgatagc 420
 taacatgttg gtttctgtct 440

<210> 8937
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8937

agctttcaga aaatgtctat gccgagtgt taccattntt cttccatggt tcagttgtac 60
 gtagcttgtg ttttcttcat agatagggca atcacgatgt cttttaacac tatatccact 120
 caaattccca tatgctcgaa agtcattaat ggtacaaaat agcattgcac gcaacttgaa 180
 tgtctcattt cgatacccat caaatacaac aaccctctcg tcccacaact ttgtcaagtc 240
 ttcaatcaag ggactgagat aaacatcaat gtcatttcct ggttgtctta ggcttgatat 300
 catcatagaa cacataatgt attttctcta catg 334

<210> 8938
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 8938

tccttaagaa gattcctaaa gaagctaaag cttatctaca cacacctctc taatagctaa 60

gttcacctcc ttgagatgag aagctagagc ttagctacac accccctata atagctaagc 120
tcacccccat gagaaaaaac atgaaaatac aaaaaaaaaa gtcgttacta caaagactac 180
tcaaaatgcc ccgaaataca aggctaaaac cctatactac tagaatttcc aaaatacaag 240
gccccaaacga agagaaaacc tattctaata ttacaaaaga agagtggatc caaccttgaa 300
ccatggactc aaaaatctac cctaagggtc atgagaaccc tagggccttc ttagtagct 360
ctagcccaag cctettggag tcttctatct aataccctcg cggggtagga atgcatcatc 420
ccctccacct tggaaag 437

<210> 8939
<211> 248
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8939

ttctttaaat tagctgttga agcagtattn tgtacagttc acacacgcac acacacatgg 60
tagcaaggac tccattgcac ttgaagaagt taagtccaat ctctattcta gagagctttg 120
actaaaggca tttgggaatg gtgatgaagc ctttatgggt ggattattgg tgacaaattc 180
tgcttaagga tagaagaata ataaaggaat aggtggcaag aagaggaaaa atgaccta 240
gacatctg 248

<210> 8940
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8940

tagctcttct ttgcttatct tatgagtgag ctatgacaaa ctctagcacc acttcttcaa 60
ggataggctt acgatctatg ttcacatgg tggccttttc acattccttt agagattcca 120
gaacaaaatc ttctacaatg tcttcaaatt ccttcgctgt taaggccaca aatcttacat 180
cctcaactac gtttgtttta tgnnttttag cagataaagc cttccagaaa ctatgatgac 240
ttgttctatt tttgaagctt actatctttc caaggctctga tcaagttttt ccttctctct 300
tgatttagcc aagggtattct tatttagcctt tcccaaggca acaacttcct tttacttatt 360

gggggtgaaa ctggttt

377

<210> 8941
<211> 108
<212> DNA
<213> Glycine max

<400> 8941

attcttatga ttgcctatgc gtggaccctc aagtgcaatc ctccattctt ccctctattc 60

cgagcccat gaatgtcatt gctactgct ggatcatgtgt cctccacc 108

<210> 8942
<211> 412
<212> DNA
<213> Glycine max

<400> 8942

tcggaagaaa gtgatgaggt acaagcccta aaggcagagc ttgaaagagc ctgcgtagtc 60

gaagagaagt tcaagtccat agccatcaaa gtctgaaaag agtatgatga actaagggat 120

gtcaatatgg ccaccgatga agccttggaa tgagaaacca agaaggcccg aaaggaagaa 180

cacgaccaa gcaaagtttt gaggggcttt atagggcagc aatagtgagc tcaagttccg 240

aagaggtgaa aggaatcatc acgggtcaaa ggcatgatct tgaaggacga gctaaaggct 300

tgccttatgt cgaaaagaaa tttgtcccaa cagctaagcg agactgaagg gaatatgtgg 360

gccatcatcg ataagagcaa agagaagcta aatctagcgg cgactcacga gc 412

<210> 8943
<211> 103
<212> DNA
<213> Glycine max

<400> 8943

ataagtttaa gaatatacag catatagttg gccatgata tattacttta atgtataagc 60

tgctctcttt tcatgatagg ttagcacact gcacacatct ttt 103

<210> 8944
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8944

caagcttggt ggagtagaaa catgggacca actcattnta tttcaaaatt gatagtcgta 60
tctagtcaag gtctgagaga ccatacaagt ttcctaata tttctaatta tgtggggccat 120
taagtctatc atatgctgac aatagccgag aagcccatga atctcttcgg gggcggagta 180
ggtgtctgtc atcgcccttg ccttggctaa caatcgggga agttcttgac tctcgttcaa 240
ggtaagagca aaccgatcca tccacatggt tgccctcttg tgtaaagagt cgatcaccct 300
tcctctagcc tctttttccg cgtatacttg agcatactca tccgcgattc tatgctcgtg 360
ggccatggct agacctaact cttcttggtta cttggcgatg atagctagca tgttggcttc 420
cgtctcgcat aaatgctgag acaagcttct tttggacctt gaaacaagca ataac 475

<210> 8945
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8945

gtcctaaatg acatttcaag ctaatattaa ctctctttaa cctccattta ccacagaatt 60
cagacttaac ctcatctaa atttcacttt aacctccatt taccacagaa ttcctacaag 120
tcccaaatac tgtatcaatc atgtctaacc caaaatcaag cttcaaaaca caccaacaca 180
gaatctaggt gtccaaaacc cctcaattca atgggttttc taggtttgaa aagtgaaatt 240
tataatgagg taaatttgaa gcaaactctc acctcacaca agtccataac atcaatctaa 300
actcgtcaa actgaattta cacctaaaat tcaaccgaat caaaatttga ctctccaca 360
cccaattntg ccctagaaat ggctctntgt tcactttgat cattcgttct tctctctagc 420
acagtccaag ctttctccca agttctaaat gaca 454

<210> 8946
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8946

tattgagana acttccctga gaagctaaag cttaactaca cttatcccct ctaattgcta 60
 agctcacctc cttgagaagc tntattgaga agctagagct tagctacaca caccctcta 120
 ataactaagc tcacctcctt gagaaggctt ctcgagaagc tagagcttag ctacacacac 180
 ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc tacacacccc 240
 ctataatagc cactgaatgt cgcgcttagc gaatgctgc taagccagca gattggctta 300
 gtgagaaggt gagaataaca cttttgcaat ttggctaatt aacct 345

<210> 8947
 <211> 189
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8947

agctttcaac aagagtcttc acaaataact attatgaagc agaaaactaa caaagctacc 60
 catcatatct cccaaaaccc catacccacg aaaatcaagg gagaaagaag tccacccaaa 120
 cctgaaattt cgaagtccca ctgtagaca cgcacttnac gaccccgaaa atgctctcct 180
 tccacgatt 189

<210> 8948
 <211> 414
 <212> DNA
 <213> Glycine max
 <400> 8948

actttgtcca gacaatgtta gagagactag tgcataatgca ctgaaagtgt accgcatgt 60
 tatacatata atcaatcata tgctgacatt atcgcgagaa gcccatgaat ctcttcgggg 120
 gcggagtagg tgtctgtcat cgccttggcc ttggctaaca atcggggaag ttcttgactc 180
 tcgttcaagg taagagcaaa ccgatccatc cacatgggtg cctcttggtg aaagagtcga 240
 tcacccttcc tctagcctct ttttcgcgt atacttgagc atactcatcc gcgattctat 300
 gctcgtgggc catggctaga cctaactctt cttggacttg gcgatgatag ctagcatggt 360
 ggtctccgtc tcgcataaat gctgagacaa gctctctttg gaccttgaac aagc 414

<210> 8949
 <211> 287

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8949

tgatcttgat tcttgctaag ttctgtaact agcttagaac aatttacttg gccttctctt 60
aattgtctnt gggcttggcg accacgatca acacagtact ttcggcacct actatatgtt 120
gacttgacca acgctgctat tgtaacgctg cgacaatctt tcaacacctt attgacacaa 180
tctgcgaggc cggatgccct ccattcatag gggtttctac gtttgaaaag tgacattcac 240
aatgactgtt atttgaagct aactctcacc tcacacacgt ccataac 287

<210> 8950
<211> 450
<212> DNA
<213> Glycine max

<400> 8950

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gagaccatac aagtttctta atgatttcta attatgcggg ccattaagtc tatcatatgc 120
tgacaatagc cgagaagccc atgaatctct tcggggggcg agtaggtgtc tgtcatcgcc 180
ttggccttgg ctaacaatcg gggaagttct tgactctcgt tcaaggtaag agcaaaccga 240
tccatccaca tgggtgcctc ttggtgtaaa gagtcgatca cccttctctt agcctctttt 300
tccgcgtata cttgagcata ctcatccgcg attctatgct cgcggggccat ggctagacct 360
aactcttctt ggtacttggc gatgatagct agcatgttgg tctccgtctc gcataatgac 420
tgagacaagc tcttgttgac cttgaacaag 450

<210> 8951
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8951

ttaggcanat tcaaacgaca ataactttnt actcggatgt cttattgagc gtagtacaaa 60
atcaagacgc tggtaaataa aagtttaacc tacatctacc acagaattcc tacaagtccc 120
aatcatgtg tcaatcatgt ctaacccaaa atcaagcttc aaaacacacc aacacagaat 180

ctaggcgccc aaaaccctc aactcaatgg gttttctagg tttgaacagc gaaatttata 240
atgaggtaaa tttgaagcaa actctcacct cacacaagtc cataacatca atctaaactc 300
gctcacactg aatttacacc taaaatacaa ccgaatcaca cattgactcc tctacaccca 360
actttgcctt agaaatggct ctttgttcac ttggatcatt cgtcttcttt tagcacaagc 420
cacgctttct cccagtccta at 442

<210> 8952
<211> 63
<212> DNA
<213> Glycine max

<400> 8952

agcttttctt tctcaatcat acctatttac tgactataca actctaattg taagttcaca 60
ttc 63

<210> 8953
<211> 73
<212> DNA
<213> Glycine max

<400> 8953

gatctctcta tgggttgatg caatctctct cgtgcttggt tgtgtaaatt agtcacgtg 60
ctcaaagct tgt 73

<210> 8954
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8954

nctgttctt tttannnncg aggannagcc nncaaagann ccctcataac cacccttaat 60
tctccctgtn agaagcatcc tatcaccgt tagatctggt gacgtcgctg tggcatcacc 120
aattaaatct tacccaacag tgcgacacac actcactgaa tggcagacct ctattttaac 180
ttagaccagg ctctattaaa ccataaaatc ttcccgctc ggggtacacc tgtattggca 240
aaccceccaa gggaaatagt cattccctta ttacttctac aatctggtgg aactggggcg 300

taaccctaac gtcattccca gtgggagaga tgactagcat tttaatccga cgggggggat 360
gaatttgaat cgggcagaaa ccctctttta atttcgaaaa tctacttctt ccctaaatc 420
tggttgcaaa acgt 434

<210> 8955
<211> 259
<212> DNA
<213> Glycine max

<400> 8955

tgcacactat gatacattgt gcctcctcat tgttgaatgg agtagcttca aaactgataa 60
tagacaagaa agatctcata cattgtgctc tatcacaact atgccagttg aacaacctct 120
tgatggcgtg gcacatgcag cacgtgctca cgctcaatat caccaccgcg ctgtccgacg 180
ccagcctctc tatgcgctcc agcgggtccc cactaccgc cgcgcgcgcg ttcccagggg 240
ccgtcacgta tcttcccat 259

<210> 8956
<211> 92
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8956

agcttatata tcaaagattc gacaatttaa aagttgttgg ctactcagac tcagattntg 60
ctggttgtgt tgaccttccc acgctccac ct 92

<210> 8957
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8957

tgtggccctc ctactcatca aggccactac cctctatagc atacaacctc cctcgacact 60
agacaacctc tttcgctcgc aagacggctc agagcttga gggattatat actatatagg 120
gtccacaaaa tacacgtggc aagttatgtg gcactccaat agacatatca gccctctatg 180
tcagctctag cacagaaaca cgaatgctca aaccttagta gccaggctat taactgacag 240

gntatctcta accactttat ta

262

<210> 8958
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8958

atccttaagt cacctgcggc atgcaagctn taagggaat taatatggga ttgtgctaga 60
atttagatta ttaacttatt gtaatttaat ttatnttggg gtgaaatggc actatgacat 120
aaccatggaa ctcatccac ttccttcaaa cttctatccc tctttctttt ctttttttga 180
aacttctcct ttgtgggtga gtttgatcta tgttttttct catatctatc ccaagtcaca 240
ggtaagttag tttttccact cactactaaa aaatatacat ttaacatcgg caggttaaca 300
tcggtttccg aanaaaccga tgtaacaaa agcacggtgg catacttgta ataagattag 360
tttattaacc atcggtttat acaaaaccga tgtaacacaa at 402

<210> 8959
<211> 336
<212> DNA
<213> Glycine max

<400> 8959

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cacgaatctt atacccaatg ggttattgat aggaccaaga gctttggcct accctaccgc 120
ttacctagat acctatcgtc caccatccca ccatactcct tgctatccc cttcgacacc 180
aaggaagagt ttcatgaaca attaaccaaa gaaaggcaag aaaaagaaac ttggaagagg 240
agatgccagg agctcgagca agagaatgag actttgaaag ggaagatagc ccaacagagc 300
cgtgagcttt ttatccagaa ccagaggatg atcgag 336

<210> 8960
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8960

agcttgaacc tcacagaccc aattccaatt atcttttaca ggacttggtg tttccatgga 60
ggactgaacc accaacttgt ttgtcaagat cctcaaacca agacttggtt ggagtcatat 120
gaaatgaaca cccagagtcc aagatctatt tgtctcagtg ttcttatgag acaccattaa 180
agcctcagct gaatcataac catcttcaac tagagtagca tttccagggt ctttagatcg 240
atcttgcttg tttcctttct gtctattagg acagaatctt cgagtatggc cttctctntt 300
acagtggtaa catctaattg ttagtacatt agatccaaat cgagtttggt acttggatct 360
tttcccttct gtcttatcat ccttcttgga t 391

<210> 8961
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8961

agcttcttct tcagactntg tgaacagtg cttgttattt atcgaanaat catccattgc 60
atcaatgctt gaagaacctg ctatgtgttg gggaatattg gggggtttct tccaaagggtg 120
atttcatagg gggaaagtct ggtgcttgaa tgaattgata tggttatagga ccattcggtc 180
tatatcaaaa acttacccca ggacaacggg cgatggtgaa cggagggtcg taagtactgt 240
tcgacaactc gatttagcat tttcgtctgt ggatgatagg cagagctcat acaaaagttt 300
gtgtcgctga gttggaacaa ttcttgccaa aagtggctga tgaacaatgg gtctcgatag 360
tagaccaagc tatgaggcat tccatgaatt ttcccaacaa tgtccatgaa aaggattgca 420
atagtgtgag tcgtgaagtg tgacttgagc ttggccagggt gga 463

<210> 8962
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8962

agcttgtatt ccaatattta taatcattnt gagagtttag cagctgtttc acccaacaga 60
taataaagat tgatgattaa caatcttgac ttttctacn aaanaaaaag aaaaagaaag 120
agaacaaagg agttgttgca ttnttttaat tttcaagaac ttcttgacca acaatgaaac 180

tgaatttaat tggtcagaat taagccaaat gttcttattc ggtataagta gtagatgcaa 240
aacaagtaag tgaaggaagc agagcgactg gattcaatta tgggcttctc agaacttgaa 300
tcatgtcatt cgatgcattg aatattaagt ttatgttaat gcatcttgtg ggtgcttaaa 360
agcacacaat aatggtaaaa aaatgggttca attcacaaca ttaatcctta ctcagaagtg 420
atatctcatg ataaaca 437

<210> 8963
<211> 278
<212> DNA
<213> Glycine max

<400> 8963
agcttaactc tattcgcatt cttatctctc ttgctgctac acatcattaa cctttatttc 60
gataggatgt acagaatgct atcttgcatt gtgacttaca tgaagaggtg tatatagagc 120
aatcacctgt gtttgttgct taaggggtgt ttggcaaggt gtgccgctta agggagtgtg 180
taaattggctt gatgcaatca cctagatctt ggtttgggag atttagtggt gtggtccttg 240
catttggtgact gaagctgagt caaagtgatc atactgta 278

<210> 8964
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8964

agcttggaa accaacttcc aacattatgt ggaatatatt gggaggctct tcataaaaag 60
tgagggttaga ctcatctcca aagtcctttt aaccaaagca tcaactacac cattatgctc 120
cctaacaatt aggactaaga atgaattgaa tcaattcgaa cataatttga gatttgattt 180
gatatttgac tcattgagct tggttcatga accaaatgag tttaaatttaa atttaaagtt 240
gagctcatta aacaaataag ataaacttaa gtcataatac ttgattcgat tgattcatga 300
accaacttga tatataaatc tatctattat tatatctaga ttagatatac ctatctatta 360
atctatacat atatntaaat atttatatta ttgaattcct ataatagaatt ttagttaatt 420
taatactatt tttgcattaa atgaataaat 450

<210> 8965
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8965

agctttcaca ttactgtat aaataaaca ctaactaana ctaaaagtta aaaacatcaa 60
 ttgaaaataa aatgtatcaa aagcagaaga aataaatcca aatcctatca tggctcgtcc 120
 tgtgtcgctt ggggctcatc cagaggtgag gagggagcat cctangctgg ctgaggaata 180
 tcctgagctg taacaagcca tgggtccag gtgctctttg ttgcggtcac atcagctgca 240
 taatccgcat cagcagcgcc atccacctcc aaaatagggtg aagtaactgg tgaagcctgt 300
 ggagtagcca ctggagtggc ctctagaact a 331

<210> 8966
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8966

agctnggaga ggatgcttca atggaggaaa agaattgagg agtgaaagag agagggggga 60
 gcacgaaatt gaatgaagaa taaggcacag aagttgaact gtgagttgtg tctcacaaga 120
 ctctcattca tcaaagttac aacaagtgtt acacatactt ctatttatag actaggtagc 180
 ttccttgaga agctttcttg agataacttc cttgagaagc ttctttgaga aaactttctt 240
 gagaagctag agcttagcta cacacacccc tctcataact aagctcacct ccttgagaag 300
 ctttcttaag aagagtccta aagaagctag agtttagctt cacatacc 348

<210> 8967
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8967

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 caagcacaat tccttacgac cataactggt gttcatgaag ctaaagcga ttcattgtag 120

ctaaaccgaa ttccttacgg caatgtgaac gctaagcgag tccttatcag ctaagcgcat 180
gctcctctgt acttaagatg catcatnta gctaagccag ccattgcctt gcttagcgag 240
agttgncaac ttttctgatc tacaaacctc gctaggcagt cttatcctag cgctaagcca 300
agcatgtggtt gttaaaaaaa ctga 324

<210> 8968
<211> 386
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8968

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aatatctgga aacgttnttc cttctctgca gcacccctat atatttttcc atattctgcc 120
atccaatttt catgtctttc tcgcaaggct gtttgatgca gcttgcgng catcacttgg 180
gaaatcccaa ctgcaaggaa aaggaatagg gctaacatgt gttgctnttg gccagtga 240
gccatttctt aattatcagc aatgatcagt tttgtaagaa aaggcttagt tggatatatt 300
gtgtaaagag agaaatgtga attggtatgc attgaaatga atgaatctgg aggggtatat 360
agagatcata gtaccttatg ctatgg 386

<210> 8969
<211> 380
<212> DNA
<213> Glycine max
<400> 8969

agcttctagt tgtgcctata ttgcgctctt tttctgagca gcaaagtctg gtctttgcac 60
catctccatc tgggtttcgg aaggtaccct cgctatgcat ttgatgtctc taattaatat 120
atgttgtgga tagaattcaa tgtaaaatag ggaaataagt tttagttaat tatttgtaaa 180
actgttttta tttatttta gcatctggcg tgccttgtct tggctcttat tcattctttt 240
gaaaaacctt gttttatctg atcatgtcta caaatttgaa taaatattgg tcgtgttatt 300
ttgagtgcc gtaggggtat gacatatgga ctcgatttta tattgcttaa ttttaaatat 360
gcaaacgtca tcgcttgaag 380

<210> 8970
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8970

agcttgttnt gatattcatt caaactatnt tgaattagat cctatataat ggctggaaat 60
 taccaaacct ttgcaaaagt tgcttctata aaccaacccc ctctttttac tagagaaaat 120
 tatecttttt agaaagtccg cacaagaatt ttccttgatt cattgataga ggagtatagg 180
 atgccattgt aaatgatttc tatgttccta agcaagttgg tgatggaaaa aaggtagaaa 240
 aagattttat tcatggacat caaaagaaaa tagtcaagct caatataatt ntagagccta 300
 aaatattctt tccttcgctt taacactnga tgagttntat gattattctc aatgtgtaga 360
 tgccatagaa aattgggaaa tcttagaagt gactcgtcaa ggtactaaga aagtcaagag 420
 ggcaagagag aacactc 437

<210> 8971
 <211> 279
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8971

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 gagaatgaca gagagagagg ggggcgtggg aattgaaggg gttagggaga aaagntgaac 120
 tttgaagtgt gtctcacaag tttctcattt atcaaagtta tgacaagtgt tacacatggt 180
 tctatatata gcttagcaca tatgaagctt ccttgagaag caaggaaggt agctttcttg 240
 ggaagctaga ggaagatagc tttcttgaaa agctagagg 279

<210> 8972
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 8972

agtcacctgc ggcattgcaag cttcatgatg atgaatcaag ttgattcaag atgttttgat 60
 attgacaaag atgttgacaa aaaacccaaa gaatgatttc aagattaaat caagatcaaa 120

ttcaagaatc aagagaagtt tgatttcaag attcaagaaa agatgaattc aagttccaag 180
agaagaaatc aagaagactt cacaatggga agtattgaaa agatttttta aaaaacaaac 240
atagcacaat tttgtttttc acaagagttt tcacaaaatt ttctatgtta ccagagtttt 300
tactctctag taatcgatta ccagtttcct gtaatcgatt actagtggca aagtttgatt 360
ccaaagctct aactg 375

<210> 8973
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8973

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atgatgtaga agaaaatgaa tgtgagcctt tctccctttt gaaagacttg taaaaaaat 120
gtnttaaaaa tactcttaat taatatttga agttttttcc ttattagtat atatgtgagg 180
ggtagagggt gtcacagatc ccctgactgt gtcggagtca taaacggatg tgaaatcatg 240
tagaaccact ccatgtaatc tgatgaacat tggccagcca ctacacaaat tttccctaca 300
ggtgcaatat agtcaccgaa ctgcatccat ctagcatcca tttcttcaac ataagctgaa 360
ggcgctgcag gatgtggcga aatgggtctgg atgtnaccca actatcatat aaccctcttc 420
ggtcagtgaat tgacc 435

<210> 8974
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8974

agcttgaaag ataagttgaa gatctgatga agagtatcga tcagtgcgtc atacgtgctc 60
aacgcaacac agtcactcag caggcaaccc tcaacttagtg caaagaagtc acatgaagaa 120
cttgatattt gaaggcatgc ttagcgtgag tcacgcacta agtgtgtgac catcgactca 180
ctcgcttagc acagtagtcg cgcgtagcac aaggttgcat aaaatttaag ccgacttcac 240
ctataaaaag aggaggaagg aaaggaaaag gacacaaatga atatccatga tattaagtt 300

tcccatagaa agcaaaagct aggattcatg caggataagt gaaaccaacc tttaggagtc 360
gntccttccc ttcattcttca ttcttctcta accttcttca cttccattat cctcttgcaa 420
ttgtaagcct ctcatgacaa tgagagacta aaccttccat tg 462

<210> 8975
<211> 450
<212> DNA
<213> Glycine max

<400> 8975

agcttgagga gacgctttat cagttcatgc aaatatccat gtccaactat aggagcatgg 60
agtcttccat caagaacctg gagatacaag tgggacaatt agccaaacaa atggctgaaa 120
gaccactag cagctttaga gccaacatag agaagaacac gaaggaggaa tgcagggcag 180
tggtgactaa aagccagagg aaagcgcaag gagaagaaaa gaaagatgaa ggatactagt 240
ctaaggaaga aagggtagac aaagaagaaa agaaggagga agaagagaaa gaaaaagaaa 300
agaaggtctt aacctctaag accaaaagct agctagcccc agaggctggg aaaaaagagc 360
caccagcccc tctaaaggat tccccatctc ctttagtgcc gtcaaagaag aatatggagc 420
gctacttcaa gcgtttcttg gagatattca 450

<210> 8976
<211> 185
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8976

atttcttgga tgatatctcg cggcgtcata ttgattgtcg gacatcatalc tgctggggtt 60
ggaaacccaa acctaattggc catttgtcta ccaggagcac atactgtatg cttctataag 120
gagcagccga tcagactgtg gatgaggctt tagaggacct atggcagctt anaatccctt 180
taaac 185

<210> 8977
<211> 192
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8977

agcttatgga tggaacactt acttggtggt gatgatcaaa agcgcanaac ggaatcaaaa 60
aatgcgaata aggatgaccc tacggctgca aactcgtcaa tcccgtgggt atggctttng 120
aaaggaggan aagaagtttt tgaatgtaaa aacgcccccc ttctgctcatt cttataatTT 180
ggtgcagggg tg 192

<210> 8978
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8978

ctgcaagctt gcttctacac taaagggttt ccttttacat ttaaatataa agactatccc 60
ataaagggtgt ctattttata tatcactaat gtccataaat tagggatggt aactgcgga 120
caaaaaagta tattaataag aaaaaatgat tgataaatag ttatatgaaa tggtaaaaaa 180
attactatga atatattcac attaaagtat caaattcctt gaaaggaaaa ttcaagttat 240
ataaatgatt tcttttaata ttatagttaa aactcccgtg cattgcacgg gttttaatta 300
agttcttgaa cattttttta aaaaaatttt cctgaacat aaaaattaat tcataatttc 360
ttaaaaatat ataacaaaat nttaagcaaa ccacaaatta ac 402

<210> 8979
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8979

agctttgacc acaaccccgga tcttatctct acctatTTTT actcaaccat ttattgTTga 60
aacagatgcc ttaggccaaag gaattggtgt tgTTTTgtct cagaatggcc atccaattgc 120
TTTTTTcttt aagaagcttt cttctcgtat gcagaagcaa tcagcttatg ttcgtgagtt 180
gtatgcaatt actgaagcag tggctaagtt ttgtcattac cTTTTtggtc attattccat 240
tatctggaca gaccaacgta gtctcaagca cattacggac canatcattc aaacaccaga 300
gcaagagtcc ttgttaccta agcttcttga cttcaacttc tcgattgagt ataaacctgg 360

accactaat ncaagtgctg atgctntatc atgggtcttcc tatat

405

<210> 8980
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8980

agcttgaagg caaactggat gcattggtta acttggtaac ccagctggcc ttgtgtcata 60
ccctaatttc gtccggcgac ctttgcttga tgacatgcga cctttctttg gtccttgtga 120
ggtgcttgac acccatcatt aagcagtttg tgaaattcca ggacatgccg aanaaaccaa 180
aaaatattga tgcacaatcc gtaagtntcc gtgacacacc ggaaatcaaa tggaagcatc 240
gttgcataat taagtgaggt tccgtaagta aaaaggggat gattatgtaa tccgcaaggt 300
tccgtaacat tacggaaaga aaacaagtat cgctacgaaa attcgtaagt tccgtaactt 360
tacgaaaaaa agaatcacca aataaaagca gagggg 396

<210> 8981
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8981

agctntaatt cannaaaaca aaaagaagtt tttatcataa cctcacctaa ttttaatact 60
acgcgtctan aaatcacat ttgttaactc aggaagaacc ntttgctaatt tctcctcatt 120
tttcggtnaa attgcnacct ccatacaatc attctgaaaa caaaaccctc caatcattct 180
aacatccatc taaataaaaa atatttcgcc caaaccagaa cccaaaccgc cntcaatttc 240
aagcttcaac cgaaaaacaa aacaacacaa acaatatata catttgggat ccacaagttc 300
cacactntct atntaccaat gtactaataa ttaaataatta atccactcag ttacactact 360
aaaagctggg gatagaatac acctacactc gctatgttac aaaanaagtt ttcncaaacc 420
agcacgctac actacacacg gac 443

<210> 8982
<211> 411

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8982

agctnttgcc tcanaacana gtgtttccaa gagatcaaga ctttggtaat tgtttaccag 60
acagtgtaat cgattaccag aagacaattt tgaaaaacag cttttaacaa gggttttaaa 120
tttgaatttt gaatcatgta atcgattacc agatgtttgt aatcgattac tagcaatgac 180
acttcataaa atactttgaa aagtcatgac ctttcaaaat ataactgtgt aattgattac 240
cagaaacctt taatcgatta ccagtgaata atttcagaaa aaagtttttg aaaagatata 300
tctcttcaaa tcattttgaa aagacacaat gggcctatat atanggtgtg ttgactntat 360
aaagtaaaga gagaattcta gagaacttaa ttgtcaattc tccaacaact c 411

<210> 8983
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8983

agctttaga atggctatac atgatacatg tcatggtttg gtttggttca aggataaaag 60
ggatgccccca cattatttcc atgacacaaa tgcaaaaatg atgatttgga aattttatgc 120
aaaactgggc atgcatgcac ctatgtggac gctcaagtgt caaattttta tggatcatctg 180
atgctagggc tcaagattca tttcctctat tttaaatcaa cccaatgttt ccaaaatatg 240
ttcttttatc aaattgtgca ttcacccgag tccatttcgg gcgtccggga aaattttcac 300
agcattcacc cttcaggtgt acacacacat tntccaaaaa ttatgtgaat tttt 354

<210> 8984
<211> 355
<212> DNA
<213> Glycine max

<400> 8984

agcttgaggg taaactttat cccttagtca acctattaac tcaacttgcc atgaatcaga 60
aatctacacc tggtgcaaga gtctgtgggc tatgttcttc tgcagatcac catacagatc 120
tctgtccttc ttgacagcaa tctagagtca atgagaaacc tgaagcttat gctgcaaaca 180

tttataatag acctcctcag tagcaaaaacc aacaacagta gaataattat gaccttccaa 240
gcaacagata caatccaggt tggaggaatc atccaaatct gagatggaca agtcctccac 300
aacaacatca gtctgtcctt ttctttcaga atgttgctgg tccaagcaag cctta 355

<210> 8985
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8985

agctntatgc aaggaggcta aagatacaag tatctttcaa ggtaagctat ttggtcaaaa 60
gagcttgtgt ctatacaatt catggccttc atcatgttct gagttatata aatcattcta 120
gaattcagag atttatgcaa agatcattat tcacagttag tcgttccactc acagagtaag 180
gtcacacttt caccggtttt tggttcaagc ttttctttca caatcaatct gtctagtgc 240
taaccattct attataagtt cacactcttg ttctttcttt gttcaacatg cacatttgct 300
caaattcatg aaaggaaaca cacatttcat cataagcatc tattcattta aaacaaggca 360
tacaaccatt ttcccaaata aataaactac ttactgcca taccatcaaa agttaagtta 420
aactgttcac gatgcttcaa g 441

<210> 8986
<211> 269
<212> DNA
<213> Glycine max

<400> 8986

tggagagcat cttttcctac gccattacta ctatactctt atggaaactt ctcgtaggaa 60
gaatccaact tggaaagggg acataacgcc acgcataagt agtcttatcc tgttgccatt 120
attctactag aattttctaa cttgtgttcc acaaagagat gagatgacaa tgggacacca 180
attcacgttt atcaattttt ggcataaggc aaatattctg accattaaca ctcccagctt 240
ctccaggatg tcttcataaa tgcttgatg 269

<210> 8987
<211> 422
<212> DNA

<213> Glycine max

<400> 8987

agcttatctt tatactggta ttcgagagaa aagccttgta accattaaag gtgcgtcctt 60
agtagaatag ggggtactcg gagggaaaacc ttgcaacgat tcaaggtgtc cttggtcgaa 120
taagggtact cgagagagaa accttttagc gattcaaggt acacccttgg acgaatatgg 180
atattcggga ggaaccttac aataattcaa ggtgcatcct tagccgaata agggatttta 240
cgagggaaac cttgcaatga ttcaagttgc tccttagtcg aataggggta ttcgggaagg 300
aaaccttgca atattctgag gtgcatcctt actcgatagg ggtgggtatt cgggagggaa 360
ccttgcacga gtcaggtgca tcattttcga ataggggtatt cggagcgaaa cttgcacaat 420
ta 422

<210> 8988

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8988

agcttgtgtg ccttcttcca attcattggt ggctttggat gactcanaaa attgcttate 60
aggaaggaag aatcaaaagt catccaagca atgttttcca ttgctaactc gccttgtgga 120
ttgtagcaaa cattgtggtg gagggcaaagg taatgacaat gggagtactt tatcaccttc 180
acctgtccca aaaccaccta agtctaacc tccaaagctc gagacaccaa aagctcaacc 240
acctccaacc ccaaaggttg agccacctcc aacaccaaag gttgtacatt caaccaccac 300
ccccgtgtnc tcaccaccac caccaatcca ctccccacca ccaccaatcc ac 352

<210> 8989

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8989

agtcacctgc ggcatgcaag ctttgggtcca attcatagca ccataagttn tgtcatgggt 60
gtacgattta ggcccatggt atatggagac actcgaaatt gaaaaatgaa aggtctcaac 120

atattcaa at ggtcataact tttcactcaa atgtcagatg caggtatata atatatagag 180
atgctcgaaa ttgaacacgg aagctctgct ccaattcaaa ctgatatgaa ccctcatgga 240
acaagggctg acttaggatc gtctaggatt aaaccttgat ggaaaatgcg gaaattgatt 300
aacgtaagga tggaacataa ggtgggtaat ttctgtgggtc ttaatcacgt ggctcttggc 360
ataaaatgga tgaatgggat gggtaaattgt a 391

<210> 8990
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8990

agctntgtcg ccttcagctt tgctgtgttc gaagttcttt ggtgtccgaa ggtaagggtgt 60
gccctggcaa ttaacaacct tgaataagca ttgtgaattc catcctgcgt atataagtgt 120
ggtgtttgtt ccccaacata agcatgctac atttcgatcc ttgcattttg tagttcttct 180
catcgaatgt ttcttttccc tcaatatatt ggcattgttt cttttaaatg tggatcatatc 240
cttctttctc ttctttntgc tgtagaaaac aagagtatgc tttgaagggt catcggcatt 300
tgtaattgta gatcctgaat ggcagtgt 327

<210> 8991
<211> 297
<212> DNA
<213> Glycine max

<400> 8991

agcttatccg gcctcccatt aatagggcct tcatataata atattgcatg ccaaggaagg 60
tacaacagca gggtcaggca tagcagcagc aagaggagga ccagcagcag ccaaccgcag 120
atgtgccgcc accacttcta ctgcagccac catctctaga gtccatcttt gctcacctgc 180
gaaggatgga gctctaaatg catgcatata tgtagcatgt gactaaccaa caagcgggcta 240
atcatagggg tcagggtgcag ctaaatagaga gcttctacca gtacacccta caccagc 297

<210> 8992
<211> 351
<212> DNA
<213> Glycine max

<400> 8992

agcttgcttg tggggcttct atggaggctg gatctttgag cttcaatggg gtcctttaat 60
ggtgattttc caccatggag atgcagcgga agacaaagga aaataggtga gaggaggcgc 120
catccattaa ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180
agaagcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagagggg 240
ggagcacgaa attgaaggaa taaaagaggt atagaagtgg aactttgaag tatgtctcac 300
aagactctca ttcacaaag ttacaacaag tgttacacat gcttctattt a 351

<210> 8993

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8993

agcttaagag nggcacctcn cgtactcttc tctcttcggc accggaggga ttcacaacaa 60
ccgcaggcct cgcgtcgacg agaaccctaa ggactatgcc aatcgctctg ccattcagtg 120
gcatcgtgtc tccgtttatc ctcagaaatt gtgagacctt gtcaccaaac acgttgttcc 180
cgggtcagcc cactctctca ttcactcgcc gctttatcaa ttaaccaatt gtcgtattgc 240
accttactga tgctgctggc cttttgcagt tcaatgctgt acgtggaggg gaacctcgag 300
accaaagct tcaccgatcc gataaccggc attgcccgcc gaattcgaga aattgctggg 360
cgacgaaatg gtaactcttc aatcaactct tgttgataaa atgacttt 408

<210> 8994

<211> 203

<212> DNA

<213> Glycine max

<400> 8994

agcttgtgag ggagggtgtc ttagatatga gatgtttgtg tgtatctaaa ctctatgctc 60
tcaaggaagt tgtctcaaag atgcttctca aggagggtgt cttaagaaag ctgctcaagg 120
agacctcta cactattaat agaagcatgt gtaacacttg ttgtaacttt gatgaatgag 180
agccttgtga gacatacttc aaa 203

<210> 8995
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8995

agcttggtang aatatggttg tcccatcaca tggtgtacta ggtggcagtc gggcgatggt 60
 gcacaacaag ttttccacat ccacaaagcg cgcataaacc caccattccc tggtggccac 120
 ctccaactga gctcacgtac tcccacgtag cccataacct cgtttctctc aacaccgggt 180
 ccccatcaat cctcccaagc ttccccaaca tcaaagtaaa tcaacattca aacagcacia 240
 attaccacag ccaagaaaac agggcaaagg cagaaaactc tgcccaaaac accaaccaaa 300
 atcacagctt ttctcactta aagaccccg taacaatttc ttcgatccaa ttcgttaacc 360
 ggtggagtcg actccaaatt ttactggaag tctatagtag ataagcctac at 412

<210> 8996
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8996

agcttacaaa acctatgtat ctctgcaaaa gctgttcttc gtgctgctn cagagctata 60
 ttcccgaaat aggcactgtg gtgtgctctg gaatttgtgc aaatcatccg ctgcccctaa 120
 ttctgcacaa aacaagcttt aaatagcctc tgaatttgcg acgttgcgct tagtgtgagt 180
 aagtgggttt gggcttaacg ccagtcttgc gctgagcctg gctgaagaca cctgttgtgc 240
 ttatcgact gatctcacgc ttagcatgtg accttgatat tgatgtcttg ctagattctt 300
 ctatcgcgct cagcgcggtg aagctgcgct taacggtgga tgcgtgctta gcctactgat 360
 g 361

<210> 8997
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8997

agcttcctcc ttctttttct acagaagcct tgaatttata ttgtaagaaa cacatacttt 60
atcagaaaac tgacattcac agctccattg agttaaata aatgtcttac aatgcataaa 120
agacaagttc caattaagac atggtggaaa ggagcagccc ctgtgggggg ctcaatttac 180
ctaaacaatt acatagagaa agaaatctaa gtaacacact ctttttaaga taatctctat 240
cgttatataa atcttatgtg aatgcactaa aatattgggc tctctatcta ataaaaacac 300
acatgaataa tagtgtgtgt gtgtgtgtgt cacagagagt attattaaca atgattcaat 360
gatagtgata aatcataata natcaagtgt atgtcagagc atggccagtt ttatactgtg 420
attat 425

<210> 8998
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8998

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tggtacctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcagg tggggtgcta 120
ttgcccaaaa ccaagcttga ccaatcccg cccaacccgg gcatagtccg tcagtggagaa 180
cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aaaacaagac 240
caciaagcaa ggaggttgt ggtggctggc cagctgtgaa ttntgtgtaa tatgtgagat 300
atggcctctg gtaatcgatt accaagggtg ggtaatcg 338

<210> 8999
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8999

agctggcatt cgatcatcgg agccatagag agcatgatag cgctgaatac aacggtcctg 60
cattntgctc agagctttgg ccaaagggtg gcttatggcg aaaccgcccc caccataggg 120
catgccgtag gagaagaata tgttctgcaa gtgactctcc gacaagctcc caatgtagta 180
catgtagttg tggtcgtact tgtttaaaat cctcagcaga ttgtccgtca cgaaaacggt 240

gtcgtcgtcg cccatcacga accaccgcac gttcttgtgc cccatacgca gcgtttccgt 300
cacgatgcgc gatattcgaa tcgcgaggc 329

<210> 9000
<211> 408
<212> DNA
<213> Glycine max

<400> 9000

agcttggtca acttaccata agtaatctga aatctttctt gagcaaatgc tatttgcaat 60
aacaatctcc caagtggaca ttgaacttgg aaatttgaaa tgtgggttcaa ttcccacaac 120
atttaatggc catgctgcaa gaacattagt cgagaagttt gacaaagaaa tgaggcagga 180
aattcttaac taaatactac taccaatttg caataaccaa gttatccaat attgaaatta 240
attaataggg aaaaatcagt gttgtagaaa tgcattacac tgatgtgggt gatgtatata 300
acaattgaac aaaagagaaa aagagcaagg cagaagtaaa agaaagagaa ctaaacaaga 360
tcaaggtaac attattaatg aaattcctaa tccctattgt gcaaacac 408

<210> 9001
<211> 293
<212> DNA
<213> Glycine max

<400> 9001

cacaaacaca aacccttgca acaagtacat atttctgact caaggccacc tgggttacc 60
agttaaccaa tgcattcagt ttgccttcaa gttcttaat atcagatgat gcagctgagt 120
gtgaactacc tcatgactc ctctaatact tatggaatca tttctggcgc ttaactgctg 180
agagttggaa gccatcttct caattatatt actgggttca gcaggagtca tgtttacaaa 240
ggctccacca ctgggtgcaa ttatcatact tatctccata ttactgagtt ctt 293

<210> 9002
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9002

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aaattcaaat ggtcataact ttctactcaa atgtcagatt caggtatata atatatagag 120
atgctcgaaa ttgaacacgg aagctctgct ccaattcaaa ctgatatgaa ccctcatgga 180
acaagggctg acttangatc gtctangatt aaaccttgat ggaaaatgcg gaaattgatt 240
aacgtaagga tggaaaataa ggtgggtaat ttcgtgggtc ttaatcacgt ggttcttggc 300
ataaaatgga tgaatgggat ggtaaaatgt acgttaagtg g 341

<210> 9003
<211> 166
<212> DNA
<213> Glycine max

<400> 9003
agcttcttgc gtaggcgctc ttgctgctca gaatattcca aaaacaaatc tctcttatta 60
ctagctatctt tgaattcttt agatcctgaa tgtacaacct tcaaattggt gctcgttccc 120
ctctttgaga atgaggagga tcttcatagg acttcatoca gttgat 166

<210> 9004
<211> 174
<212> DNA
<213> Glycine max

<400> 9004
gctttgagac gcatgataac ttgtggcata gtttttcatt cagccagatc ctctggcgac 60
acgatggaag atgaactatc accacttggt gcctctccat catgggctat ggctcttcag 120
acgagaacat taatctagca tcttgtctga gaaatgacgt atgatatcta ctca 174

<210> 9005
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9005

atataanaat ttattatctt taagttcggg tntctggccc ttattttcgt gcttagttca 60
acagtcaaac actggcgccct aattaaatta tacattttat ttnttagaat tacatcaata 120
anattattat atcttttctg caatacacta gtgacaaata cacnctctag atatgaattt 180

aaattcttgg ataatgcact ctataacaaa cattcttcat aatcttctaa tcttctctaa 240
 taagaagaat taactctaca atacacttgt ctatttttaa atttggaag cacttggcac 300
 cctaattaag aaggagagaag ttgccccgtc agacatgcaa taacattagg aagtgaccct 360
 ttaaaaacac attatgaagt ggatttttaa aatgaagaac atttctataa aacaaggatg 420
 agaaacattt aatctgataa attctttaag attcatagtt atagataaag ttagattttc 480
 attatttcct atattgggtn 500

<210> 9006
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 9006

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 gcacccatat acaatcaagg cagcttcgtt acctagatta ttacacgta cttcaagggt 120
 gtatttgta cttacatcac acacatctcc ttggctaaat tcacatacat gcatactcaa 180
 agcattttgg ggcacaaaaa attgcacatg tgcacatctt ggcatttcta atacctatac 240
 atacgcaaac ttcattgatga atcttgacta tctacacaat aagggtgctac atttcatgct 300
 cttttttcaa gtttttgcta cctaaagccg catgcaaatt caagcatatt ttcctttgct 360
 gactaaaatt gtattcaaat aaaaggtata ttttttgtaa tatgttttct tcacataaca 420
 ttgcaacata ttatatat 438

<210> 9007
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9007

agctttaatt aatcgcgtac agaattccag gcattttctgt cgttcaatgt ctcttggtcc 60
 caatcccaaa cacctcagaa gtttattagc aaaagccagt ctagcaaata acatgtacat 120
 gacataacct ttcaatttcg tggtcgtgta ttatatatgc aaactgtgat ggcattgtatt 180
 caattcacc tataaaaaaac attccagttt ctattcatga aaatgaatta tcatttctat 240

acatatTTTT aatttaattt aatcaaaaata catggacatt tacatcattt tttaatccta 300
taggaagagc atttatgtt atgcatgacc aaactatcga tatatgtatt ggaatgattt 360
taaaagatac aattgagata attntaatta gtttataatc taaaattcct tgcaccaata 420
atatatcaaa attattattt tt 442

<210> 9008
<211> 454
<212> DNA
<213> Glycine max

<400> 9008

agcttgaggg tttagtgcatt atttcccatg ccacttacat catagatgag tcattaacat 60
gccttcctag ccttaaacca agacctttct tctgatggaa atctttaatt tttaatcctt 120
atataagggtt ttctttattc tttatgcgga agcctagatt cacaagtata caacctataa 180
caattaccaa aggtcctaag atctacaaca tgtttgacta ttaaggatta gatcgataaa 240
atacttggtat ctatagttgg tttctggtct aagtattcct tgagagatgt tataagatct 300
ttgcggctat ccatcacaaa tatagacaat gaaattatga ttttttctca atcgaagtct 360
ctttattcct caacaaaatt ttcataactc tctgtatgga aaaagagAAC tatgtgcacg 420
atttgcataat atggaccata ccttcttata tcgt 454

<210> 9009
<211> 353
<212> DNA
<213> Glycine max

<400> 9009

agcttatatt aacaaaattg cctaaatcat ttctctatat gcatgtgaat taggaagcat 60
caacaagaat caagccaatg ctattgtgca agcaatcaat ggggcaaac acaccaaaag 120
attatgatga tggatggctc aaaatctcac aaaggtaaAC ttatcacttt caaattgagc 180
tttcaaaatt atcatgacat gtagaggaaa aacaaggatt tcaaatcaca aaatgtcaac 240
agacttttat tttctgaaca attaccaatt tcttgaacat atcctataat tcaaagaaaa 300
atatgcaaag ttgtacatgc aaacagagtt gaccttaaAT attaaactag aaa 353

<210> 9010

<211> 287
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9010

agcttccaca agaaacaact tganggagaa gattttcactg gcattgatca tggcgaaggg 60
 gtttcaaggc ttatggagtt ggccatgccc atggcaatgg cggctcttgct gactaagaca 120
 attgcacggg tttccagacc ttgtcgtcga gacggcatac agctctaagg aggagtccag 180
 gtcaaggctg tggatgtcga agtgcattgcc caagcactaa tcatgacttt cacagagttt 240
 tagctccgcc attgtagaaa tgatgaagac aatgggaggg agaaaga 287

<210> 9011
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9011

agcttgcaat tattagaaga gaatgagcat gtgattggaa gtatgacaga ttatgttagt 60
 cagttgtcag attgattgtg aaggaatgca ttaacagtat cctggtgaga gtgtgatcct 120
 taaatnttgt gagaaatgac tatcatttag ttctgatttt tgcgtgaatc tctgaagtat 180
 ggactaaatg catgaaattg aggatgatga aggccatggt tgattgtgat agccacttag 240
 ccaaaaagct gaccatgtgc ttgaatgatt tatcccttgc acctagtttg agctgtatga 300
 attaattgat tgattgaacc ttgagcctaa acagttgtat cttctgctac catatcttan 360
 gttgtaggag agcatcatcc atagaagctt gaaattaata gtatacacac attngttctg 420
 tatatataat gtccctgtat ata 443

<210> 9012
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 9012

agcttgttgt gcaccatcgc ccgaccgcca cctattacca catgtgatgg gtaccccata 60
 atcctacaag cttgagatga ggaagtgttg aagggtgaaa cttcctgctt ttattgttga 120

ccacagagtg gtacctggag atatgtcgcg ggggtcagga gaccttgggg acgtcaggtg 180
 ggggtgctatt gcccaaaacc aagcttgacc aatccccgacc caaccggggc atagtcggtc 240
 agtgagaacc tgtgatgtac ctaagcaggc gagctcctgg cagtcaacag ataaaaggaa 300
 caaagaccac taaagca 317

<210> 9013
 <211> 242
 <212> DNA
 <213> Glycine max

<400> 9013

tgacatgttt aaaatatgca tgattgagcg agggcgatct acagatgtga ttctagtga 60
 ccctcaaaaa cgttgcacat cgcttatcca caccaagtta ttttaataaaa tatttcacaa 120
 atacgatata atgtcttggt gcggaataaa tgataagttc aataacaaag tctaaggaga 180
 tcgaatacgt gagtattgta actccttata tcatgttcaa ttcttatata taaaaaaat 240
 at 242

<210> 9014
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 9014

gcttggaaaa aatcctcaca cagagagtca ttattagcat cgaatatgat atcgtccacg 60
 tataatctgga tgattaagaa ttgactacca taatctttgt gaaacagagt agtatctacc 120
 tttcctctta taaagccatt ttcaattaaa aatgaactta gcttttcata caaagctcaa 180
 ggagctatct ttaaaatata caaagccttg ttaaatttga aaacatgata agggatatata 240
 gaactctcaa accccagggg gctgttcaca tcaacttctt ccttgataag tccattgagg 300
 aacacacttt ttatgttcat ttgatacaac atcataccgt gataagcaac acagttaa 360
 tggtttgtcc agcttgtttc taaacactca ctgagttcta c 401

<210> 9015
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9015

agcttangga agagaagatg aaagtaatca ctaattaaac aaacaagcta atatTTgtcg 60
 accatgtaag ggagattcaa taccacacac ggtgggccaa gcaaaccTTT gattnttgcg 120
 taggtagcaa aataaaggaa aggcctcatc ggtcgacctg gaaaggaatc ttgaaaagga 180
 atttatccga cccaacaatt gtttaacctc tttAACgttg cttggactcc gcatgagcat 240
 caatcaggat taaccttgat tcatcgatat ctgagcatga acttgaggaa cttgcctact 300
 cgt 303

<210> 9016
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9016

agcttgcaac cattatataa anaagaacat gagatttgaa ctttgactga aaatgttagt 60
 cagtttgtca gattgattgt gaaggaatgc attgactata tcccgatgag agtgtgatcc 120
 ttAAattttg agagaaatga ctatcattta gtactgattt ttgcatgaac ctctgaagta 180
 tggactgaat gcatgaaatt gaggatgatg aaggccatgt ttgattgtga caaccactta 240
 nccaaaaagc tgaccatgtg cttgaatgat ttatcccttg caccagttt gagctaaatg 300
 atttattgat tgattgaacc ttgagcctat acagtgttat ctctgctac cttgtatgag 360
 ggtgtaggag agcatca 377

<210> 9017
 <211> 178
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9017

agcttncttc tacaccttat aaagagatga gattttactg atcgaggccg taccCAAatc 60
 aaataaacat tAAaatgcag taactaagaa gtgacccata gtcatttccc aacgagcaat 120
 gactaaccCa atgttcataa tatgcttcgt tataacagta ataataacga atggggggg 178

<210> 9018
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 9018

agcttgcaact attctattta tcttggtaac agatatattt cgcctgaggt ccggttatca 60
 cgatgaagca agaaatgttg cctcaacttc acgtgcttca catcaatttg ctccctttggg 120
 acatactgcg gtcactactt atttacctat tcatgaacaa tctttcttat aattacttaa 180
 tctacccttg acaaatggaa aattaaggac ggatgggtacc aaatgagatt gcagctgctg 240
 tatctgatga atgtgatata atgttgagaa ctggcgaccg ggtaggtcta actgcatatg 300
 aca 303

<210> 9019
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9019

agcttgagat gaggaagtgt tgaaggggtga aactttctgc ttttattggt gaccacagag 60
 tgggtacctgg agatatgtcg cggggggtcat gagaccttgn ggacgtcagg tgggggtgcta 120
 ttgcccaaaa ccaagcttga ccaatcccgga cccaacccgg gcatagtcgg tcagtgaaga 180
 cctgtgatgt acctaagcag gcgagctcct ggctgtcaac agataaaagg aaaacaagac 240
 cacaagcac ggaggcttgt ggtggctggc cagctgtgaa ttttgtgtaa tatgtggatg 300
 gtggcctctg gtaatcgatt ac 322

<210> 9020
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9020

agctntacag cagatgcccc tttactccat gttcttgaag gatatgttaa caaggaaaca 60
 taagtatatt caccaggaaa aaattgtagt ggaaggaaat ttagtggttg tgattcaaaa 120
 gatccttcca cccaagcata aagaccttgg gagtgttaact attccttggt caattagaga 180

agtcactgtg ggaaaagctc tgattgactc gggagccaac attaatTTaa tgtcattctc 240
catgtgcaga aggggtgggag agatggagac catgcccact aagatgactt tacaactggg 300
tgaccgctcc attaccagac catatggagt aattaaagat gtgctgggtca gagtgaaaca 360
ttntatcttc c 371

<210> 9021
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9021

agctnttcat atggatatga gaaggagaaa caacttaaga gtgggtcgga cttacagcaa 60
atgatgacac gtgacggaaa aattggatag tgacatgtgg attaataatt ggagacttgc 120
tcatgntaat aatTTTTTaa gatgaagtaa taatTTTTTT ccactacaat ttaaattatt 180
TTTTtattca attntaaatt atttatatat tcacattaat tgcaatacaa atataaacag 240
atgtaagcat aatTTTTTTT taccatgttt tcgtTTTtaa tatatatTTa TTTTTTaa 300
aaaatctaata aattaacttt aattatttat tataaccatt gcattaaana atgaaagtTT 360
gggatgtgag taacttctta aagttatgag taacttaatc TTTTctcata cacatannat 420
gagttattca caagTTTTat ttgttaaatt tgtaagaatt aaac 464

<210> 9022
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9022

agctnttctt tctcaaccaa cctatctact aactatcaat tctaattgca atctcacatt 60
cttgTtcttt cttgtctaa catcacact agtcaaact tatgaaaaag gacacaatct 120
tcatcacaat catgcactca atccaaaatc cgTTTataac acgcacttca caaaaagata 180
aaagtgtttc agtgcattat catcaagatc aagtcaaact attccatatg cttcanaaca 240
tgcatactaa ctatccacan aanacacaag tatatataaa aatcaaccaa aatcactaaa 300
acaatgtaca gaaatataat agtcataata atttccaaaa gcaaaatcat caggaattta 360

aaattttctga gacaaatcct angtacccctg agtctgagca 400

<210> 9023
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9023

agcttctata taagcagaac catnttatca atattgacaa gttgagtttt attcagaana 60
ttagagttta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
agtgattctt tccttccttt catcttcacc cttgttcttt caaaccacaa ttccagaaaa 240
tccacctctg cccagaatta tctcgtggcc ataactccaa ttttacgcac tcaaattaag 300
tgattcttga gcctaaattg aattccaaaa cgagagcttc cacctcgttt tggaatcact 360
tcatttggag 370

<210> 9024
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9024

agctntctat actaatgtca aaattcaaga aagctctttg atctctgagg tttatgggat 60
aaaaatggtc attgaccaat ccccttttcta tgacttgacc caattatcta gtgaagggtg 120
accatttgaa ggtacactga atgatgattg gaaatttgat ttctctgtgc atgatgcccg 180
ccggttggtt tgaaccaacc aagaggatat gactggaagg cttcttgctg gatcattggc 240
ttttgaaagc catatcttc actatctcat tgttgttatt ttacttccaa gatcttcaaa 300
cctttgctca ggttctgaag acgatcttat agtcatgtgg gcttttcata ccggccgaca 360
aatgatttg gcacac 376

<210> 9025
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 9025

agcttccatt ttccttttcta ctttgaatga gtaattctta agnttcatac attcatcang 60
 tccatcctta tattttttgtt tccttctaatac tattaaataa aaatattgtt ttcttgaaga 120
 ctcttccttc catgttataa tgaaaccgta agatgaccaa attaatttta cttgctagtt 180
 atttgaagaa ccaacgtcgc acgcaaaaag tcaaaaccta caacccatct gtcacccga 240
 ttcattactc tcgggattac ttcagggcat ttcattggta tctcttcttc cttttcacac 300
 cctcatttaa atgttgaaac acctagaata cccttctttc tctttaaaat ttaaaatctt 360
 ctctcctact catgtccatg ctgatattt 389

<210> 9026
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9026

agcttagtct nttggtaata ttttaggaat ntatatatttg tcaatccaac cattcaatga 60
 tgtaatatta tataaatgat catgcattcc aaattttaaa taatccataa attcataagt 120
 atgtaattta ataattgaca tatttttaaat agctcggtat atgtaaacta ctttcacaag 180
 caaaatgtaa ttttcataat ggcaattgat gtttattatt gtttactgac ctctatgcag 240
 atcttccccc tgataaggaa ccactagatt ggaatactag aatgaaaata gttgtcgggtg 300
 ctgcaaaagg attagaatac cttcatgata aggcaaaatc atgaacaatt tctttaattc 360
 caaccaataa ctaattttca taagaaatgg agtactaatc aaagtccaat gtatg 415

<210> 9027
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9027

agctntgaat gcactattca atggagttga caatatcatc ttcagactga tcaacacttg 60
 cacagtggcc aaagatgcat gggagatcct gaanatcact catgaaggaa cctccaaagt 120

gaagatgtcc agattgcaac tcttggtac aaaattcgaa aatctgaaga tgaaggagga 180
 agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcaactgcctt 240
 gggagagagg ataacagatg anaagctggt gagaaagatc ctcacatcct tgcctaagag 300
 atttgacatg aaagtcactg gcatagagga ggcccaagac attngcaaca tgagagttga 360
 tgaactcatt gggctctctt 379

<210> 9028
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9028

agcttgngaa tgcatttttg catctatttg actttctctat gctgnctcta catatataaa 60
 acagccccac tatcccaact ctgcaaaatc atatataat atcattgggg caatgtggca 120
 tgccccattg cttcaaaata caacctatgc ctaaggcctt ttcattctaa tcttcaattc 180
 aagaaaacaa gcagcaaagc aaaccaaac taccttacia atataagcat gttctcacia 240
 ttcgaggcac caaaagatga agaaagcaca tcaatggaaa gcaaaaacat caaggatgga 300
 atacttactt gttggagtga attgaaatac caaanacgaa agcaaaacgc gatcaanagg 360
 cttatgggag caagaaaccg caagccttcc tattctctat 400

<210> 9029
 <211> 206
 <212> DNA
 <213> Glycine max

<400> 9029

agcttgaatc ggacatccgc gtgaatagtt atgatctttt gaatctctca agagcttccg 60
 gtggtcaatc tcgacctctt tgacatatta tgcacccgca tcggacctct gtgtgaaaag 120
 gcatgatcat tcgtatcttt cgagagcttc cgatgtttta gtcccagcgt atccatata 180
 tattaactct gaatcggacc tcagtc 206

<210> 9030
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9030

agcttacaca aacattcact agtccaacac acaattaaca aatagtcac attcgtccat 60
 agttccaatg ctcggtatga tgcattgcacc tgatctcaac tctcaaatgc aatgtggtac 120
 catccccaag gaaatagcct aagcgtgtcc acacaacact ctcacttagg aaaactaaac 180
 agtaagtgtc gaggtcacca tgtcatgcac aggcaactcc tccccccac ggtgatcatc 240
 ctaagtctca agggagttcc aaaccaagtg acatgccnc aagtacaagt attcctctc 300
 atgagaaact acaagtactt actgaaaagg gttgtactat ttccatgcaa tatgaagtat 360
 gaaacatgag catcatccat gcactaacca tggataatta a 401

<210> 9031
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9031

agcttgtatg aattaagaga aatcttttgt gcctttttct atttaattat tatttcgatt 60
 tctcgcatct ttctcgcgta tgttattgac tagtggtgtg cttatgttta attaactttt 120
 atttgcaatc gatgagaatt gaagttgtaa tatagagctc ttcaatttac tcttaanaaa 180
 aaaattgaat gtgcctttcg atatggtgaa tgcgatatta ttttagatga gcagtatana 240
 tgtcaccttt gtgttggtgcc ttttcctcgt ctcaccacaa tacgatgcag ttatgcaaat 300
 agtatttatt cccctcctca agaactaaaa agnagaaaaa catgcaaaaa aaaaanagtt 360
 acctattata gaacttctag tcacctcaa cattaaacaa catcttcgat aacctatgaa 420
 gcacagacac 430

<210> 9032
 <211> 276
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9032

agcttcactc gaagaatatc tgtncatttt tttgttcttg tgcaaaattc ctctacaaat 60

tttcccacta tctctctctc tcttactcag cttcattgtg ctcttcttct tgggatctcc 120
 ctgcgcgtcc tgtgcttccc ctcccccacag ccgccactcc ctttgcaaca atgccgtcga 180
 ttgtgagacc tccgttcatg aatccaccac ctttcattcc aagtccaaat caaaagccct 240
 ttcgcgtcct ggtgacttgg ccatgcccat ggcgat 276

<210> 9033
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9033

agctntatat agcctttaga acttcaatth gctgatagat ctcaactagt ctttatctaa 60
 tagctntggc atttgacatg aggctactac tatgcagaga gagtggggac cacaaatact 120
 ttttgacga tgtcttcaga gaagtacaat ctaccaatgt tgcctagtac ttagagctga 180
 ctttcaacat acaaatacna agaaatggta acaacgtaag acaaaaggag ttaggaatgt 240
 caagacaaga caatttaaht cttccattnt gtgtgctatg gcaccagatt cttattgaca 300
 tatggagatc tacttctt 318

<210> 9034
 <211> 182
 <212> DNA
 <213> Glycine max

<400> 9034

agcttcgggc ttcaatthtg agcttctcga catattacgg gactcaatca gatattcgag 60
 taaaacagtg atggtcgtht gaatttgctc atagctthca cattcaatth tgagcgctth 120
 gatataattac gataactcaat tggacattcg agttaaatgt taatttcgcc tgaattgtht 180
 ca 182

<210> 9035
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9035

agcttccatc acanagtcct gtgatcaatg tgggataatc ccaggccccg ttggacttat 60
 ccgggtccaa aggggtgcctg gtcggtgcc aacctgcaaa tagataaatg gcatcagcaa 120
 tcaactgagc cacgtgaatg ctcatccgtg tcaggacggc gtacaccagc tgacacttcg 180
 acagggggag gtcggaatta tgatcgctgg gctggatggt gctgagcagc aacgtcatcc 240
 atatctgggt taggggtggc atgttgggtg gcatgaatcc gacccgcttc ccagcaacaa 300
 tccgagcaaa atcctgcccc ggtatacaca gcaa 334

<210> 9036
 <211> 163
 <212> DNA
 <213> Glycine max

<400> 9036

tttcgagtgt ctcaatatat tatgcgcctg aatcggacct ccgagtgaag agttatgaac 60
 attcgaatat ttcgagggct ctcggtgatt aaattccagc ttctgtatat attatgcgcc 120
 tgaatcggac ctccgagtga taacgtatga ccattttaat atc 163

<210> 9037
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9037

agcttcgaaa tccaaagatc taatccaagg tagatgtttc ataaatggga ttcctttgct 60
 tgtgttgttt gattctgggt ccacccattc ctttatatct tgggtgtgtg tagaaaaact 120
 taagcttttt gtgtcttctt taaataaaga tctagtagta gagacccta ctagtggttc 180
 tgtgttaact tctgatgtgt gtttgaattg ttctgtggag atttctggta ggatattctt 240
 gattgatttg atttgtttgc ctttgagcta gaatgatgtt attcttagta tggactgggt 300
 atcttccaac catgtcttgt tgaactgttt tgaaaaagtg tgggtgntga tgattctgga 360
 gtgagtaagg atatgatgtt ta 382

<210> 9038
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9038

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agctnggaaa taagattata gtaggatgca aaagttcaac tatgtaacgt atgctccaaa 60
atcaaagaaa tcaatgttta aatcatccag gcccttggat tcaaaatcta atgaaccact 120
ggatcccata aagtaacaac ctaatgattc ctgccaagag gaagtaccag atatataata 180
ccgtcgtgat atctaacagc tagtaaatat tatagatcaa gagtatggag taagcaagac 240
gcagtgacaa aagttagtta agagttagaa agaaaagaga gttttcagtt actataaacc 300
taattgaaac agttaacagg aagagaaact aatataagat atacacataa actgggtacta 360
aatactctag aaaatgtaat ctgacataag cccacttaga agtccaaaga tca 413
```

<210> 9039
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9039

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agcttatagc tctagtttcc aggttgtaaa gatgatatct cttcctcatg cattaattgt 60
cactcaagat gctagccagt ggatccctcc tgagattggt caagttgatg tcagttgtga 120
tgcttcagtt ccttaattgg ggagtctcac aacttatggt ggggtgcttc atgattatac 180
atganatttt ctgtgtggac tcaaattcaa tattggagat tcatctgtgc tgaatgtaga 240
attgttgact attctaata gaatctgccta tgaaattcta tttcctttta tgaatggatc 300
atggaatagt gggaaaagaa ctattacatt acttctattg aggggctaata aatgggagct 360
ctatcatggt gatgtcaaa 379
```

<210> 9040
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9040

```
agctntgagg gtgcgcattc caccatcttt tcatagtgga ggaccgataa tgtgtctacc 60
atcacgatta tcgtctccct ttccattatt gggggtagca cctgggccgc cagctccctc 120
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cactttttgg gcggtgttctt tgaaagatcc gtcccccttt ttgcaaagt tctgtagttg 180
 catcctatcc agaaccatat caaaattgta ctaatactgc ctaacaaagg caaccattag 240
 gtccttccaa gaatggactc gggaagggtc caagtttagtg taccacgtaa cagctacccc 300
 agtaagactt tcatggaagg aatgtatcaa caattcctca tcttttgcgt antcccccat 360
 cttctgacaa tacatc 376

<210> 9041
 <211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9041

agcatgagct aattctggac agccataggt ttttattctt aacaaactca gtattggaga 60
 cgaggatcga cactccttat cttgaatgat gactgttcac tacctttgat atatctattt 120
 acncttggtt acctagggct tgaccatgat acacgaattc atattaacaa caagatttta 180
 attggttaat atcaagcacg tctaagactg gaacttatta aatggaccac tgggttgacaa 240
 gatggttgga gaaccatcaa atgcaactat tgtcaaaatt atgagttata t 291

<210> 9042
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9042

agcttacata acctaggtat ctctgcataa gctgttcgtc gtgctgcctc cagagctata 60
 ttcccgaaat aggactgtg gtgtgctctg gaattngtgc aaatcatccg cttgccctaa 120
 ttctgcacaa aacaggcttt aaatagcctc tgaatttgcg acgttgcgct tagtgtgagt 180
 aagtggggtt gggcttaacg ccagtcttgc gctgagcctg gctgaagaca cctgttggtg 240
 ttagcgact gatctcacgc ttagcatgtg accttgatat tgatgtcttg ctagattctt 300
 ctatcgcgct aagcgcggtg 320

<210> 9043
 <211> 383
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9043

cagctgggta atagaactag aacatgcaag aatatcgtag actacgacta taactgaact 60
agattctttc aagcaagaac tcacaaaaat aaggcaggat tttgatgcag ttttggaggc 120
aaagctggca gcactttaag cagcaggaga ggcttcacgt tcagcaaaat taaactcgga 180
aagaatcagt gaactctcaa atgaaattgc aaccatgaaa gcatcaattg aacaagtgag 240
acttgctctt gaacaatccc aaaaagaaag tgaagcccaa cttggtgggtt attacacaac 300
tgcaaggaag aagcacagat nacttggagt ctttatagaa tgaatcgac actgaactca 360
tgcaaagtct agatgccaac ttg 383

<210> 9044

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9044

tcatttccaa atatgcatgt gatttangac gcatcaacaa gaatcaagcc aaggctattg 60
tgcaagcaat caatggggca aaacacacca aatgattata atgatggatg gctcaaattc 120
tcacaaaggt aaaatcatca ctttcaaatt gagctttcaa aactatcatg acatgtagag 180
aagaatcaag gatttcaagt cacaaaatgt caagaactta tattttcaaa acaattaccc 240
atttcttgaa catatcctat aattcaaaga aaaacatgca aagtcgtacg tgcacacaaa 300
atngacccaa aatattaaac tgaanatccg acgaaactaa caacactaac anaataacac 360
aactaacaaa gtaacaaaac caacataact agcaaaacca aagaacactt ccccgccccc 420
ccgcatactt aaacaac 437

<210> 9045

<211> 477

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9045

cgctgggtgac tctnggcatt agtttcaatt aattattatc atgtatcata tatcatctat 60

ctttcaatct atctttcaat atcttctttc atctctttct acagaatttt ctgattcatt 120
tctcttgatc tttctaaaag tttttgatca acactttctc ttccaagaaa atttctttgt 180
tcaaaaactt gtgttattca tctttttcat tctcttctcc ctttgccaaa agaacgaagg 240
actaaccgcc tgaattcttt gtgtctctct tctcccttac aaaagattca naggactaac 300
cgcctgagaa ttcttttgat tcttcccttc cccttaaaca aaagatttaa aggactaatc 360
gtctgagata ntctttgttt ccccttacaa agattcanag gactaaccac ctgagaattc 420
tntgtcccaa cacatnggag gatacatcct ttgtggtaca agtagagggt acatcta 477

<210> 9046
<211> 317
<212> DNA
<213> Glycine max

<400> 9046

gcgtgtatga tatcgactcc acaaagttta agtttatgag accttcaatc ctattacgca 60
acgtggcgga caaaagtggg ctgcttactt gaatggtcat tattgtcaat gccgaaggta 120
ttctgcgctt cactatccat gttcacacag tattgcaact tgtgggtacg tgagcatgaa 180
ctactaccaa tatatagatg ttgtttacac aaatgaacac atcttaaaag cttactccgc 240
acaatggtgg ccttttgoga atgaagcggc tattcctcct tctaattgacg catggacact 300
tattcctgac ccaacta 317

<210> 9047
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9047

ggatgctctc tcttttgtga ttcaactcaat ttggactgct tcttagtcca atagctatta 60
aggtgggttg ccccttgctt cttgactcaa attcttcaag ggatggcatc aatcctcctt 120
tccaatttcc tatatggcaa ctacacaaaca aggaacaaaa gagacaagca ataaccaaag 180
acaaaaaaaa aatgaaatga aagctaaacc aatggagttt taacaagaca atttatcaag 240
gattattcaa caattaaagc aatgaanagg acatagaagc aagctaggac tcanagagaa 300

acttagaatg gctctagagt agagtaaaan aactataaaa aaagactcac aaaacctcta 360
gctttggaac tttgtttcac ac 382

<210> 9048
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9048

actaagcttg taggattatg gngtacccat cacatgtggt attaggtggc ggtcgggcga 60
tggtgcacaa caagtnttc cacatccaca atgcgcgcac aaaccaccca tcccctgttg 120
cccacctcca tctgagctca cgtactccca cgtagcccat atcctcgttt ctccaacac 180
cgggtcccca tcaatccttc caagcttcca caacatccaa gcaaaacaac attcaaacag 240
cacaagctat cacagccaag caaacagag caaatgcaga aaactctgcc aaacaccacc 300
caaatcacag cttttctcac tta 323

<210> 9049
<211> 220
<212> DNA
<213> Glycine max

<400> 9049

ctggatcttt gagcttcaat ggcgtccttt aatggtgact tatcaccatg gagatgcgcg 60
gaagacaaag gaaaatatgt gagaggaggc gccattcatt aatgaataag ccatggacga 120
aggagcttca ccaccaagat gagccttgga taataagcta ggagaggatg cttccatgga 180
ggaaaagaaa tacggagaga aagagagagg ggggagcact 220

<210> 9050
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9050

gcatgcaacc ttgccgtcca gctcgcccag gcgagccagg ttgcttcctc cataagaaac 60
agccttttgg aggaatcttc tggaaggccc aagtgggcct agttgctatt tacaccccc 120

ttttactaaa tgcaccccc ttttctatnt ttttgtaatt cttttttccg taacggttac 180
aaactttacc aatttcgtaa tgatacttat tttccttccg caaggttacg aatattttacg 240
gattatgtat ttacttcttt ttagctttcg aagaagttac ggaaacttac ggattgcgca 300
aaaacgcctc ttttcgactt ccgccacatt acggaatttc acggatcgcg caagcctgct 360
tccttttagat ttctgagacg tctcgggact tcattttattg tgcaacanag gacgccaaagt 420
atctcgaagc ggctaaccaa agaatgcatg tcatcaagta ataatccccg ga 472

<210> 9051
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9051

tgtagaggct tgttgcccttg gtgagacttg ttgcctcggg gccgattcag atgttggcta 60
tgattcgttt ggcttgtcta agcttgtcca ttgcttgccg attcacagac gtcagcgctcg 120
cgacattgaa atctcagcac accggacaaa caagctccac cttatcctct tcctctttct 180
tcaatttgat ctcatccat tgattcaacc tttcttcagt tcctccaacg tcngcgaggg 240
tggatctcaa tccggcgaac tcgtctcatc accgcctcga aatgcataaa tgattgggtgt 300
tagggagttc ttggtttggt tagttggagg gaaagggaaa ggttaaaggc agatactata 360
nggtgcttgt ctgagttctga gaaggaggtt tataaacaaa aatcatacga atttgaa 417

<210> 9052
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9052

acgcgtcact aacacttata caacgactac aatgcaagta gcccgcctcn tgatggctta 60
tttttttata tataaaaaag gagtaaaatt ttaagttatt tcgttagggg tatattttta 120
agaatgataa aaaaggagta aaactttntt tatatatagt ttacgacttt aaaagttata 180
aaccgcgttt ctttttatta atgtttaagt taattatttt aaaaaatata tatataattt 240
ttttatgttt tctttctttc tcaatttttt tttaaaaagt atttaaagt ataataaata 300

atattaactt ganттattта ttattatatt tttttatgac tttac 345

<210> 9053
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9053

ctgatgcac taccocgag ggcattggat agaatagtcc aataacattg gaccaaagat 60
gcaagagaag gccctagggt tctcatgagt cttanggtag atntcgggcc catgggctaa 120
gtacgagccc acttatcttt gtaaataatta gattaagggtt tcattatctt tgggccttgt 180
agttagggct ccataatgta ggtagggtgc cttagaaata taggattctt cagcccttgt 240
atcttagggc acctagacta gtttttgtat tatgggtagt tttgtaattt catatgcact 300
aagtgaatat ttgatcgtgt ggttggaac taaattaatt gaattggtag aagc 354

<210> 9054
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9054

ngacagantg tggatgacac gacacacgtc gatcgatgct tgctgtgtgg cagatgggtgc 60
acacatacga atgacgatcc actaagctcg cataatatca cctccactg ttgcccact 120
attacttgag cgctactcac atctctcgta naactcatat tctgtgaata atacttgata 180
gccggggcac accataagat acctccatt gctgaacaca tacattcttg ccaatcagct 240
tggttcaga acaatctatg acatatcacc aaagcaaagg aaggcccta tctcatctca 300
tctcatccac tactgtcata gcttttctac ttatagacca agtcacattc cattcgatca 360
atgactaacc tgtggtcgac atcaagatct actgtgagtc tatcgctac agactacatt 420
atgaccattg catcttcac atacatacac aacaagtgtg ctctgctctt acacacaaa 480
aatacgtgag ttttttact cn 502

<210> 9055
<211> 336
<212> DNA

<213> Glycine max

<400> 9055

agcttgata gatcttgagc ttttagtaga ttatggaagt taaacccttg ctgagagaac 60
cactccaagt ccagatactt gggatattctt acattctcca tagcataaat catcttctag 120
tcattcttct tactttttgtt agtaaaccat gtatctagcc tgttgatagc aacttaagag 180
cattcacctt gcttctctctt ggaatacttg gctttcttct gagctctgga aggggttgctc 240
gtcatttttg gaagggaaaac aaagggtttg gaagcagaag aagggttaggt tcagagatgg 300
gtgtttcaag gaggtgttgg tgtgatttgt ggatgg 336

<210> 9056

<211> 364

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9056

ctttgcgtaa gaaccagttt atccaatgga acgatgactg tcaagtggca ttcggaagga 60
tcaaattgatg ccttatgaat cctcctgtgc ttacgccact agtgcctgga aggccatta 120
tcctatacat gactatgttg gatgagtcaa tgggggtgtat gctggggcaa catgacgagt 180
ctggaaagag ggaacatgcc atctattacc taagcaagaa gtccacatca tgtgaaatga 240
actactctnt gcttgaaagg acatgttgtg ccttggtatg ggcagcccac cgtctaaggc 300
agtacatgtt gagctacacc actnntgtgg tgtccaaaat ggaccagtc aagtacatat 360
ttga 364

<210> 9057

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9057

agcttctaaa aaggctacgt gaatatggga ggtgttccac cactaaggat ggcgacatgc 60
atgtgcatgt gtttcgctaa tggatgatggc gaaacccatg gtggactcgc tggcaggaat 120
ggcgacatgc atgggcatgt gtttcgctaa tggatgatggc gaaacccatg gtgtttcacc 180

aatgtggatg gcgacacaca tggcactcac gtgaacctac tacgctgaca tggatgcatg 240
 cactgttact gcgtgttacg ctggaaggaa tggagaaata aatgtttcgc caataggaat 300
 ggagaaaccc ttaccaaacc cttacaaaat agaccctcca aggaaaatgt ttgaaaataa 360
 accccttttg ggaataagtt tctaaaagaa accccctgtg gtcattnttg cgcttaacac 420
 acacaccaac aacaagaaga acaacaata 449

<210> 9058
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9058

agcttatccn cacaagagtg cataacaact ggtgagtctg cattgattat aggaggctga 60
 accaggtaac ccgaaaagat catttcccc tgccattcat tgaccaaagt cttgagcgct 120
 tggcaggtaa atctcattat ttttttcttg atgggttttc tagttattta caaattcata 180
 ttgctcttga ggatcaagaa aagaccacat tcacctgtcc ctttggcact ttttcctata 240
 ggaggatgcc ctttggccta tgcaacgccc ctggtacctt ctgtcgcaac ctaccctttt 300
 gcgggcaagc gaggcgaggc tcacgggtgc cttttccaaa ggaggaaaat gcgcggagtc 360
 gtcaccaacg tttatttgtg gaaaacgtcg aaaaaatcg 399

<210> 9059
 <211> 520
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9059

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 aagctttgtt gatttagttc tcaccggtga aaggatcgaa gtgtgtcttt atagacgcac 120
 atttgatcat cccgccttga cgaatgagaa aactggagct aatgaacacg gtgagaatga 180
 aggagaaaac cttgctgtga ctgtccctcc tacctggctc atatccccta cctctcatca 240
 acactaatcc ttaccactat attcattata ttactccctc cccgtcgtgc atgtggttct 300
 tctgacgcca tcccaacctc ttctcccttc aattcattca agaattctct cttcaccact 360

gatcaccacac cccggctgat ccttagcaaa tgccgtacaa ctacctccat ctcaagttcaa 420
 tcgtcaactct ctccattca tctctactta ttgattccct ctctcacact acataactcct 480
 tcttcatgag cattctacgc tactctgac cttccccccc 520

<210> 9060
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9060

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 aaatcgaagg aagaaaaagg gagagaagtt gaactttgag ttgtgtctca caagactctc 120
 attcatcaaa gttaccacaa gtgttacaca tgctttctatt tatagactag gtagcttcct 180
 tgagaagctt tcttgagaaa acttccttga gaagcttctt tgagaaaact tccttgagaa 240
 gctagagctt agctatacac acncttctca taactaagct cacctccttg agaagcttct 300
 ttaagaagat tcctaaagaa gctagagctt agctacacat acctctctaa tagctaagct 360
 cacctncttg agatgagaag ctagagctta gctacacacc ccctataata gctaagctca 420
 ccctcatgac aaanaaaaca tggaataac 449

<210> 9061
 <211> 211
 <212> DNA
 <213> Glycine max

<400> 9061

tatacactta aaatggaagt tcttagtatt tattacctat acttaataga aaatacttat 60
 tacactacaa aataaccata aattggaaga gtttgataca atttacacca tttttataca 120
 caaaagtttag tccgtttgac tgactaacia tatacttatg tttccttgat aacatatctt 180
 ttcaaaaatt ggagtacagt gacatttgct a 211

<210> 9062
 <211> 176
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9062

gcttttagcca atggacttac cttgactnta attccttgat agcccttttg agctttgtnt 60
ctccttcctt ggtntgaagc tcactacaag ccttaagtga aaaaccatga tatcaccata 120
tccttaagga atcttgagc tttggaattg ctttggaat aagtgtggg gttttt 176

<210> 9063

<211> 149

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9063

gagttcatct agggcatgct ntgaagcaaa catatccact ccggagatcn ttctttccat 60
ttctttcggt caatttcttg tcttcagcct ctgatgacta tgagagactc acttactcac 120
tgttgggggc ttgagtacca aagactctg 149

<210> 9064

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9064

agcttatgcy catacttctt tacgaacgnt cacttttaca agacattctt ataactaata 60
aaaatgcacc catatacaat caaggcacct tcggtaccta gaatatttat atgtacttcc 120
aaggtgtatt tgctacctac atcacagca ttttctttgc taaatttaca tacatgctta 180
ctcaaagcac tttggctatc aaaattgcat acgtgcacat tctgggtattt ttaataacctg 240
tacatacacc aactttatga tgaatcttga ctatctacac aataaggtgc tacattccat 300
gctttttctg aagtgccttc tataoctaaa gccggatgc 339

<210> 9065

<211> 463

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9065

atatngaaca tcacaagctc tcgagagatt cagatgggtca tatcttgtct cacaaacttc 60

gattcaagcg ccatatatac cgagacgctc gaaattggac aaccgaagct cctctgaaag 120
 tcacacgggc atagactttt acacggaagt gctcactaag cgcatgcata tccagacgcg 180
 ctaagttgac accgaagcgc tcgcgaaatt ctaatggatt aactattcac cggaagcccg 240
 ttccagcgca tcgttatcca aatcctggca tgtactacga atgtctctaa caattaaacg 300
 tgcttccttg gctcggccc ccaggccttg gtttttcttt tgcaccctac aattcctacc 360
 ctatctccct tcgcttcttg cttcttttct ttctctccc ctcttgctct caattctaac 420
 ccttcatcta ctccaagtc tcgtactcca ttttgtctta tcc 463

<210> 9066
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 9066
 gaagcgtttg tgaaagagca tttgtatgca tcacgtatcg ctgtaacaca tttctaatag 60
 taacatgctc aaagtatggt aacagataaa atgattctta tagacctgcc attaccattc 120
 caccacatac ttatctgtct atgtgttaaa ggagaggtag agcatcgta tcgcttatac 180
 tcgtgactgt acaatgcgca gatacaacca cattatgttc atgtgacaac gcgagtgatt 240
 gtactgtagt ccaatgtgca ttttcgaaga caaaagataa tgcatgcac tagaacatag 300
 tggttaattaa actaattctt cttaaagggtc agtgctctcg aatacgtaat gaattcaaga 360
 atatacgaac tacgaagaca ctgacagagg taaaatcttg taaaaaatta agaaggagg 419

<210> 9067
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9067

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 ccaccccttat attntttttt ccttctaatt attaaataaa aatattgttt tcttgaagtc 120
 tcttccttcc atgtaataat gaaaccgtaa gatgaccaa ttaattntac ttgctagtta 180
 nttgaagaac caacgtcgca cgccaaaagt caaaacctac aacctatctg tcatcccgat 240

tcattactct cgggattact tcagggtcat ttcattgtta tctcttcttc cttttcacac 300
 cctcatttaa attttaaaac acctaaaata cccttctttc tctttaaaat ttaaaatctt 360
 ctctcctact catgtccatg ctgatattnt agaagtccta ggcggattaa taaacaaaag 420
 ttatacattt tttcgataac cataatntatt at 452

<210> 9068
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9068

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 tcatcagcga gacaggtgct gactgggcac aaaggcgtaa gtgctgactg ggcattccgc 120
 cagtagcacc agcgagatca tcatgcacct ctgcacgcgc tacagacacc ttcttcacgt 180
 cttgcatagc ttctggcttg acacaacagc ttatgacact cgtgtttgca ggtaagggca 240
 catccaggct atggttctat tcatctgcag gttatggttc tgctcattgc acgctanggc 300
 atggcatggt gaggagtcac atgggtacag tttcatattc acatgcgcct gtaattattg 360
 tagaacatca tgggtgtaga ctgcgttaaa tgagagcatt ctaagacaaa atttacata 419

<210> 9069
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9069

agcttccttg agaaactatc ttgttaagat ntctatagaa gctagagctt atctacacac 60
 acctctctaa taactaagct caccttcttg agatgagaag ctagagctta gctgtatgcc 120
 ccctataata gctaagctca ccctcatgcc aaaagacatg acaatacgaa tgacagtccc 180
 tactactaag actactcgaa atgccctgaa atacaaggct aaaaccctat attactagaa 240
 tggccagaat acaagcccga aatagtaaaa acctattcta atatttacia agaagagtga 300
 acccaacctt ggcccatggg ctcaaaaaat ctacccttag gttcatgaga accccagggc 360
 cttcttttagc agctctagcc caatcctctg ggagtcttct atccaatacc ctt 413

<210> 9070
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9070

tctatggagg ctggatcttt gagcttcaat gagatccttc aatgttgatt ntacaccatg 60
 gagattcagc ggaaggcaaa ggagaagagg agaggggaga caccatccac tatggaataa 120
 gccaaggaag aatgagcttc accaccaaga attgccttgg ataagaagct ngaagaggat 180
 gctttaatgg aggaaaagaa agagggaagg ggggagcacg aaattgaagg aataaaagat 240
 ggagagaagt ggaactttga agtgtatctc ataagagttt cattcatcaa agttacaaca 300
 agtgttacac atgcttctat ntatagacta ngtagcttcc ttgaaaagct ntctttgaga 360
 aaacttcctt gagaagctcg agacgtatct catatgtatc tgttcaccta tgtttcttaa 420
 gtcatagttg gacacaccta gttgctcata atc 453

<210> 9071
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9071

agctnggatt tcctntgctc cggatacctc tcctttctca tgtgaacca aacctaattct 60
 ccgggttgga aaacaacctt nttgcgcccc ttgtttgctt gtttaacata gctctcattt 120
 ctctttttta ttatggcctt gactctttca tggagctttt tcacgtagtc cgctttggct 180
 tgtccttcct tatgcttaaa aactgaaata ttaggcattg acaacaaatc aagaggagtt 240
 agtggattga aaccatatac aaccttcaaa ggagaacaac tagtggtgct atgcacagtc 300
 ctattataag aaaattcaat gtgaggtaag caaacttccc aatttttaag attcttttta 360
 aaagggtcct tatcaaggta cccaatgtcc tattca 396

<210> 9072
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9072

ttcacanagc ttacngtata atctgggact tagccatggc agatttctcc acataggcca 60
ttgcctccct cgcctagtat tatgatcagc cgatgaggtg cttcaccttt ggggacttcc 120
agctatcacc tatggtagaa gaatctgaag agattctagg atgccctcta tggggaagga 180
aaccctacct cttctgaggg ttctatccct cattacctag aatttccaag atagtccaaa 240
tctcgacgca cgaattagac cataggacgc aagtccaaaa tgggggtggct gggataccaa 300
gaaaatattt ggaggccaaa gcaagaatc 329

<210> 9073
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9073

agcttagatc aatataccat ctgaattgat attcttatgt aaaaggatgg ttntattttc 60
tcttaaacct cacaaactaa tctctttatt tgtatttctt ttatattggc atagcagaat 120
tgtagcttt gccaaagctg cacaaatgat gttgatgtca aatttgcata aatcagtaga 180
aggggttcag agtactcatt attgtagggg tctttggggg acttaagcat gttatggcca 240
taccatattg acatcttggg cagtgcataa ataactgata tatatttacc ccttaagatt 300
nttatggctg gagaattgtg tggtggtgag tatgtgttgt tatctatagg tatagaatgg 360
ttgtat 366

<210> 9074
<211> 223
<212> DNA
<213> Glycine max

<400> 9074

cttatgatca gttaggatga caaaggcatg acctataacg tattgatgcc atctcttcac 60
cgcggtgggt atggcgtgca actcgcggtg gtatgttcat gaacggagta gtttatggca 120
acaatactta ctgaagaaag caatttgatg acctcggtgc atcaacacaa ctccatttcc 180
cgacctcgac tcgtcggtct tgacgataaa aggaacactg gaa 223

<210> 9075
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9075

agcttttcca ttaccctagt taattttctaa naatatatga tatctactac ttcaatatga 60
 taatggaaat attcaactat aaacatagtt cattttaagaa aaagatgaat ccgctaaaaa 120
 gattatatac ttgactaaat aagaaattgc aaatttaatt tcatatgggtc atcccccatc 180
 aatgcaatat gataatttat cttttacctt tactatcaca agtttgactg atgggtcatt 240
 ttcatacaact ctagaacttc tatatttgat aaatctaaaa aatagtagag aagccactgc 300
 cattcttttta caacaaaaga actatagttt tttattgtta attattctaa catcatccct 360
 ttggttaatg cgacatatct ttaattagtg tctcatcctt gcagctagct aggagatgaa 420
 aagggatata tatctcttaa aaactacacc acttgagatc tcacct 466

<210> 9076
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9076

tcaagctcgc ttctacaatg atgatggagt ntaaagaaga cattatgaag atctttgaga 60
 tgaccgacct cggtttgatg agttacttcc atggcataga agtaagtcac agaaatgaag 120
 ggatattcat ctcacaaaag aaatacacia aaggcttact taagagattc aagatgtatg 180
 gttgcaaacc tgctgtact ccaactcaaaa caaatgagaa actacagaag aatgatggag 240
 caccaaaagt ntatgcatcc caatacaaaa gtctaattgg aagcctccta tatctgaccg 300
 ctacacggcc tgatataatg tatgctacaa gtcttctatc aagattcatg cagagtccaa 360
 gtcacataca ctttgagca ggaaaaagaa ttttaggtat ctacaacgaa caaaagagtt 420
 ccgtatatgg gatactaccg ataccaactc acaattactt ggctacactg aca 473

<210> 9077
 <211> 544
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9077

aggacgcccg cgcgcgatgcg cccttggttg anccctgca tnacggacct atgagtctca 60
gcttgatgatg tgaatcgcgt ctantgaaga tgactatgca tgccttatca tactgattac 120
aagatcgacc caacaagttc gcaatctcga atgcttacat gattcgggca tgagactcac 180
actcgatgag cgtatgtttc gacattcatt gcaagagatc gaggcgctgc gggttgccac 240
ttcgcttcgg aagtcttggc anggcttatt gccaacatt catatctcag ctccgctata 300
caagcagagt attctagagc tttctgattt accagagtag ctactcttgt ggaactgatg 360
cctcgtgaca cgattttggt tagccaaatt atcaacgtga attgcactcg ctcgagatga 420
gtgtatatgg cgtgataagg gcagcatatc gcaaccaagg acgcttgtgg ctgatcgttg 480
aattcacact cgagcgtgaa gagtcacgta ctttgtggaa tgcattgtgt atcgatacat 540
gccg 544

<210> 9078

<211> 446

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9078

agcttaacct ctataccctt aatccanaac tctattaact aaaccctaaa ctctaaggct 60
tagacaccaa accctatatt tgaaaacccg aaacccttaa cccaaccttn taagccctta 120
accctaaaat ataaaaaata aaccctaaac cctaattggtt tagacaccaa accccaaacc 180
tcaaaaccct aaaccataaa cccttaaccc taaattctaa tccctaaacc ctaaactcag 240
aattctaata cctaaaccca aaactatgca ttataaaccc taaaccctaa actctaaacc 300
acaagggtta gacaatacac catacatctt aaaccctaat cccttaaccc taaaatttaa 360
atactaaacc ctaaaccctt aaccctaacc tttaaaccct taatcctaaa atatcaaaaa 420
taaaccctga accctaaacc taaaca 446

<210> 9079

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9079

acacttagaa actaagctca cctttggtcc tectatagtt gntgtatgag aaacatgctc 60
tatttcatct cactgcngt aggcctncgg atcattcttt cctttaaagg gaggaatgtt 120
gagttaata ccatcaattc ggTTTTgtct aggaacacca tcattccctc ttctccttct 180
ttcttcttca ttatgatctc tattctccat tngatccaac ctctcatgga gcgcacatc 240
ttcgtgttca ttaaccctct catatgttgc atcaaagctt gcatttggat ttgcgaaagc 300
ccccctccat cattaggatt tgttctgtc atctcanaca aacaaatcaa acctaacaag 360
acaattatag ttgttgt 377

<210> 9080

<211> 344

<212> DNA

<213> Glycine max

<400> 9080

aactagcgat gaagaaagtg aacttgtttc cctttctctt ggaattttat ccacaggcca 60
acatgagatg aagaacaaga agaatagaaa tgaaaagatg agagaaaatg aggatttgaa 120
agatatactt gcacttggat tagatatcag atttgactct tcagctataa aaaatctaag 180
cactgaaagt agttgtgatg gggaaaggaa tgatgaggaa ctttcataga catggccacc 240
aagtaaagtt tgccagacaa ttatgagaac tagagataaa agtgaagttt ctcaacatgc 300
tgaactcaag aaggccaggg tgtgtatcac agcgagatgt gata 344

<210> 9081

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9081

agctnggagc gctatccgca gactcagcag aagttatgtg tgaaagatat cagactatgt 60
gcacgaatct tataccaat gggttatgga taggaccaag agctttggcc taccctaccg 120
cttacctaga tacctatcgt ccaccatccc accatcatcc ttgcctatcc ccttcgacac 180

caaggaagaa gttcatgaac aattaaccaa aagaaaggca agaaaaagaa acttggaaga 240
 ggagatgcca ggagctcgag caagagaatg agactttgaa aggggaagata gcccaacaga 300
 gccgtgagct ttttatccag aaccagagga tgatcgagaa ggacgacttg cttcgtcaga 360
 aagacgcctt gctccaccga gat 383

<210> 9082
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9082

cttgtccatn tatcacatgt ccagcaatca tactattcta aganactgaa tccttgttct 60
 ccatgttatc aaaaacaact ctagcatctc ttaacatccc tgactttgaa agcatactaa 120
 ttagagagtt gcacacaagt ctttctgtct caaaaccgag ctttacaacc aaggcatgga 180
 tttgcattcc tatagccacc gcaccctgat tggccaaagc tgcaattaca gtacaaacag 240
 tataatagtc aggtctgtat ccctcaactt gcatcagaca gaacaattcc cacacctgat 300
 cattaaatct attccatgaa taaccctgta gcaaggaatt ccacgacacc acgtctctgt 360
 caccatctc atcaaaaact ctctcccat ctctaacatt ccccgttntc gtgtacatat 420
 c 421

<210> 9083
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9083

agctntaaac aacttgtata atcgataaca ataatgctgt aatcgattat aaataaagag 60
 tntttccttc tgaagaaact tttctaactt ggaaatattt cttctcacta ctaaaaaaaa 120
 tgctttcaac atcgctactt taacatcggt tntatgaaaa ccgatgttaa caaagaaca 180
 atggcatttt cgtaaataaa ttgattttgt taacatcgat tcttgataaa atcaatgtta 240
 atcatntttt ggtcaaaaac cctcttttca tcttcagcca catccactct cacttactca 300
 ctcagtcact cactcattcg ttcttggcca aaagccatct ttcattttnt gccacgtcca 360

ctccaccatt ctctcaccc tcaaccctta cccttaagtt cagtactggc ttcaaccatt 420
 tcctccttgt cacctctctt gacgcccatt acgacaattc ttaccgctcc a 471

<210> 9084
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9084

atactaagct tccttcaacc tcctccttgc taatgttctt aaaggagaca agattataga 60
 ctcacaaatn gcacaaacct caactcttct tgaacanctc ctgtctctaa cttttccatc 120
 actcccctag ctactccctc agcactagca agactcttcc caacaatgac tgtgtttctc 180
 ctcttgctca caagttcact caaaacacta gttacatcat ctacatgatc accaacaatg 240
 tctatagact ngaatgatgc cccaaattga ccaaaaagatc tagatggnga catgctgctg 300
 ctaccac 307

<210> 9085
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 9085

agcttgtctt ttctcttctg gtcaaaaatc atatttacga gaattattaa tttgaattct 60
 gcgaaggaca tttgggacta cctcaaatca gagtattaag gtagtggtgca aactaaaggt 120
 atgaaggcac ttaacttggc tacagaattt gagatgcaaa gcatgaagga gacaaaaact 180
 atcaaaagtt atgctgacaa acagttgagc attgcaaaaca aggtacgtct ccttggttaag 240
 ggatttccta acgaaaggat agtgcacaaa atagttgtta ctatacctga aaaatatgaa 300
 tccaaaatat cagcattaga ggagtcaaaa gaattgtcaa atatcaccct cggagaattg 360
 gtaaagtctt tacaggcaca ggaacatagg agaattgatga gacatcgggt ggcaatac 418

<210> 9086
 <211> 516
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9086

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tctcatgagc ttaatatcac aaatggacac aatatttatg agctttattt atcacgagcc 120
tttcaagctg aatgggacta agctgcgtat gagcactgct taccatcctc atagtgatgg 180
acaaactaga gtgcctgatt gagtatcgga acaacttacg taggtgtttt ggataataag 240
ccatcctaataat gggataagtt tttgtatcgt gtctaatagga gctacaaccc cactacttag 300
ttgaccacta attgaacctc catgaaattg ttgatggaag cctcctgcct atttgccta 360
tcataagctg gtactttgcc cggaagcgat gaatctatct tgcttttgcc cgaaacattc 420
cctctctcga ctacctggac agccgacaca ttcaaataag tggtttcctt tcgaatgtca 480
aacgtcttgc atgggacaag tgaatggtcc cacaac 516

<210> 9087

<211> 483

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9087

agcttacggc ccatgaaaat actccaaaac ttaactttta aaatatagca ngaaacaaac 60
cacaaataaa aatttcatcc tcatctctaa gaatgatccc acagtgtcaa cttacatagt 120
ataaaaaaat ctgtaagttt gttctagata gtgtttgaaa tttagtaaga tcaaattaca 180
tagttaaact caaaaaaatg cttttggtct cttagcccc tcccnegga tatttgggtct 240
tagtttttta ttttcaaact gatgaattaa aaaccaaatt ttgaaatgac taatttatat 300
tttaacatta aatataaaaa aatatttaca aatcattatt caataatatt tcattaatta 360
aactnaattt gaagatattt ntaactaaa aaagacaaat acatgtgggt ggtatattta 420
atttaatat ttttaattat taacacaaca acctttcctt aaagagaaag tgattacaaa 480
ttt 483

<210> 9088

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9088

gtgcaccttc aatctattga tcaacttcac ttgtcattg acattgaaat tgaatngtat 60
cgccaagact taaaagtgtt acaagtgtta atggattgat catgttggaa ccctaaacat 120
tattaactnt gaactttctaa gatggttgta aaaaaaatca tcgtacaaat ttggactttc 180
ctctcatcgc gatagattgt atttctaatt tttttatat ttaaaaattg aaaatagtga 240
cctaattnta ttttaaaatt attttatgtc ctaaaattaa acattaaata gggcctgaat 300
tagcgaccga aatacatttt taatntagtt tacatttaac aatcaattat aaattagcga 360
ccgaattggc catcgaactt acttttaatt cattttatat ctataaaata gtcaccaa 420
cagcgaccga atgta 435

<210> 9089

<211> 457

<212> DNA

<213> Glycine max

<400> 9089

agtctttatc actgccagac ttttatgtg agtctcttta gaggtaaggg atgagtttat 60
cacaattacg gttagaatga acatgtgcag agattcttac aggatcaa 120
tttgggatgt ttattgtatt acaattcttc atgtatgatt ataataacga gattgtttta 180
tttgatggat taattgatgc cctaattgca attggttgat atagtgagtg ctcatgggtg 240
gaaattatct gcggggccca tgttggtgaga agcattttgt ataatatgtc tgtgttttgg 300
acaagattta ctatattagc tcgatatatt gttatatcgt gatcatgaaa ttgtgattaa 360
aactatgtgt tagtgatata ttgaatatgt gacgaattat gagacattaa gttgtggaca 420
tgggatatgg tatgaataag tgtgggtaat attgatg 457

<210> 9090

<211> 370

<212> DNA

<213> Glycine max

<400> 9090

tctaagctta atattgcaac aattggcaag aatgaaatat ttttttagct atattgtgga 60
ctttgtgact atcatcgaca agatggtagt acgaacaatt ttcacttgct ttgcaatttt 120

taaagcagac caaagaagtt ggatgtgatt ctacatattt acagagatat gtacaccact 180
 acaaatttgt gtatatatag acaggggaat cgattgctag cagtttataa tcaaacgcat 240
 acgtggaagg acaaatgttt cgttgtgttt gcataaattt acaaacagt taaaaatgtg 300
 actataagaa gcataatatg gtatgtctct ccattcatgc atatattctc gtcataaat 360
 tcacttatta 370

<210> 9091
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9091

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 cataaaagaa ttccctacca cataaaagac ccctcttcac tatagcacia tggatcagca 120
 tttctaaaat taccttggca gaacccttgc aaacatctat gaggcttgca aatgtaatct 180
 caaatggttt cactctcaca ttgcatctt ataaagaaga gtaatagaat ctttcttgtt 240
 gtttatagca tcactctgca tctgagcatt ctctccgact ccccttttgc ttcggtctgc 300
 tatagataat atattgctat ctcccatgct cctctctctt ctttatgtgc aatcccttaa 360
 tcttctccct ctgctcttct ctcaacttct ctctctcact ctttctctct cctctgtccg 420
 actcttccct cg 432

<210> 9092
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9092

tatcctggtg tttcttacct gttttctgtg ggtaaacatt ataattagcc aattctaagg 60
 cttcggttaac aatggtgttc gactagggtt tcctttcact tgatgattnt aatnntatca 120
 gtgcagtga gatatgggg aatgtctcta acagaattac cccccaactc acagtgatat 180
 atttatggtt atcaaccaag tgctgtaaat gactgttgcc attgggaagg gatgtctatg 240
 ctgcttctaa cttttcagat tagcctttgg tgttctatca atgtaatgtc atattactca 300

tgtctgaatg ctatgtactg tgttcatcca acggggccatt tcgtagactt gagccgctct 360
atcttaatta ctttaact 377

<210> 9093
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9093

agcttncatc aagtggtaat catatcacia gagtttatag tgggtgctcct taaacctnnc 60
attaatTTTT ttctttacct tctcttccat tgnntgttct tcatttttct ccatgtatct 120
cctcacatgt cttgggtctaa atgttggttaa catgattctt tagagtttcc accgattaaa 180
cttgctatag aaactagatt tgatttctat ggttcaaatt tcttggttctt ggtcttgaac 240
catgaattgt gttgaagtta agccctatga gttttgcttg ttatttttgg ggctgaacct 300
acaccattaa attcttacia aatatt 326

<210> 9094
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9094

tctgggtggga catcttgact ggctntccaa tctgactatt acctcatatt ctgccttctt 60
ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcatgcctc 120
ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcattcttct ctggagaata 180
gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240
tgctgccctt cattaggact tcaactttct catttgtcac caagcattct gactttgtga 300
agtttacatt gaatccttca tcacacagct gactgatgct gatcaagttt gcagtcagtc 360
ccttcaccag cagtactttt gtccagact 389

<210> 9095
<211> 363
<212> DNA
<213> Glycine max

<400> 9095

acttttctgtg attgggttaaa gatacaatct ttgctattag aatgcttcag aaacattaag 60
aaagctagct gatgggccta aaagaaatgt tataacctgg caaggatacg acatatatag 120
gtatttattt tacacaaaag cacaagatga caaaagtaca atgctcaact gcggcgtcac 180
tctaagggct gaatctacca ctttgcaagt gtcaatgacg ccaatccttg cgtagcattc 240
atccctaact gtgtgttcat tgatgaaatt cgggagcctt actatgtgaa acttacggta 300
tgtgttttca aatgtaaagtg ggttgacagc aacactcggg gtgcgactg atgatatacg 360
att 363

<210> 9096

<211> 343

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9096

acacaagaaa ctaagctggg ttcaaacttg ggccacctaa gtaccatcgg attataatat 60
atagaaatat attgacatgc ttgattcaag ttacattta aacgaaagat atatnttggg 120
gcaactaaat aacttggtaa ttgaatctta gattcggaag tgtgtgatta tattatatag 180
agcccaggca agaaacataa cataagtgt catccatgac tccttaaaga cgttcttgta 240
ggctttctag ctctccttgg aattgtgggt ggagattttt tttcttggtg gatggctgga 300
agataggaca tgttatgtaa aatagaaaga cattgatatt aaa 343

<210> 9097

<211> 349

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9097

agctngattc tttcaattaa gtatattaaa tgtcttagtt ntgagaatgt tacccttgca 60
tttcacaaat gtctctgcca taattaaaat aattttgggt agcctacagt atattaactg 120
gtgatagtat tgtaattttt atcacccaat agcatagcca ttgtcattct aaacactatc 180
ttttttttcc acttacagaa gaagaaaact acttgggtcaa ttaaaagctt atagtaaata 240

aatatttaag tgaaagtaaa atatattgca ataatttaaa aacaatacca aaattgaatc 300
 tgtagtccaa tgattacaac aaagaaacaa aatgaggggg aaaaaagct 349

<210> 9098
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 9098

tcacctcaa atccctcttg ttggactagg cccaatttat acgacctct taggtttaga 60
 ctaacttaaa ctgagtttca tccgtagatc cctcttgtaa gactagactc agctcaagca 120
 gcttacaaaa gtttagccaa aattgggtccg cagattcctc ttgcaagact aggcctagac 180
 taaacagcat tattgtaaca acataattaa aacaaaaact ttatctgcag atccctctcg 240
 taagactaag ttttgatcct gtttcaatca agttctaagg caacagtaca tttccaaatg 300
 ctaaagtcac ctaactatgc acacaaatgg atgatcaaac caaaaagcat acaaacatta 360
 agcattgaac gaagcattga acacagaaaa cataatcaat tagatatcaa gtatttacat 420
 cagttgttca ttagaaat 438

<210> 9099
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9099

agcttagttt ttatacacga tagttggact ggtattatct tctgaagtgt tagaaactct 60
 atcaaattgt ttgatgatca tacacttgtg attagagagt ttattctttg cttataaaag 120
 atatatgttc gtgttcgagc ttaactatat atcatccagc tctttgagag ctctaaatct 180
 tatattcatt tcaaattggt gggtggatcc caacttacat tcacgtatat tcgctaactct 240
 ccttcatatg aacttgtacc aaattaaaaa gctataaagt aagtagaacc ctctttcaca 300
 atatnttgaa attngtatta agtggtttctc ttatagaagc atcgaattga taccctacgt 360
 ttggaaagaa tataataaat aacgagtaaa ccaacctcca tgaagcatca aaagaaaact 420
 caaaacccat attgaatgaa g 441

<210> 9100
 <211> 144
 <212> DNA
 <213> Glycine max

<400> 9100

gtcatggcgg gtatcttcga cgtatgttac aagctctatg gctgccgata tagtcctcac 60
 ctaatctcta tgtgcagggtg acagccgtga gtatgaaagt accgagctta gaggatagcg 120
 aaccaccatt gaagcccctg atgt 144

<210> 9101
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9101

tgtaggaata tggngtacct atcacatgtg gtactatgtg gctgtcgggc gatggtgcan 60
 aacaagtttt ccacatccac aaatcgcgca taaaccaccc atccnctatg gccacacctcc 120
 aactgagctc acgtactccc acgtagccca tatcctcggt tctctcaaca ccgggtcccc 180
 atcaatcctc ccaagctttc cccaacatcc aggtaaaaca acattcaaac agcacanact 240
 atcacagcca agaaaacggn gcaaaggcag aaaactctgc ccaaaacaac caaccaaaat 300
 cacagctttc tcacttaaag accccagtaa caattccttc gttccagttt cttaaccggt 360
 ggatcgactc gaaaatttac tggaagctct agtacataat ctacat 406

<210> 9102
 <211> 69
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9102

agcttgtaag aagtatagca atataggaga atggttttgn ttgatgataa agacttagat 60
 tttaatcat 69

<210> 9103
 <211> 375
 <212> DNA
 <213> Glycine max

ctccttttat agagctagga atcaggacta gctagtattc agcagatacg taatcaatta 180
gaaaagatat acctatatac atatcatggg tatagtcaat agtggggacg ataacaaaaa 240
aatgggaaag tgctaccgtg tattaaattc attttgattg ctgcgtatga atgcggagac 300
attgcacatg agaaggatct aganaaaata tgaaaaaact nttccctatc aagaagaatc 360
ctcagagnta acaaattgtg aaaaataaat gatgtaagag attgcgtaaa ccgtgtagag 420
aagattcctc taatatactc gatcctcaat caaatat 457

<210> 9106
<211> 430
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9106

agcttctata taagcagaac catnttatca ataattgtcta gttgagtttt attcagaata 60
ttagagttta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag 180
agagattctt tccttccttt catcttcacc cttgttcttt caaaccacaa ttccagaaaa 240
tccacctctg ccagaatta tctcgtggcc ataacttcaa ttctacgcac tcaaattaag 300
tgattcttga gcctaaatgg aattccaaaa cgagagcttc cacctctgtt tggaatcact 360
tcatttggag ccgtgtagct tccgntattg ccattcttat atttctggcc agccccaca 420
taacctacat 430

<210> 9107
<211> 227
<212> DNA
<213> Glycine max
<400> 9107

gctgtacatt caatttcgag cgttccgata tattacggga ctcaattgta catccgagta 60
attagttatc gtcgcttgaa tttgctcaga gttcaacat tcaatttcga gattttcgat 120
atattacggg actcaatcag acatccgagt aaaaagttat tgcgtttga atttgctcag 180
cgcttccgta ttcaatttcg agcgtctcga tatattacgg gactcaa 227

<210> 9108
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9108

agctnngaag ggtacgatat atctacaagg ctgttttgga tacaagagtn tgtgcccgca 60
 aaatatttgg aaagaaatcc tgcacctctg gttcgaactc ctcttaagac tctagtaatc 120
 aattcccttt acgtagcaaa gatagaccct tagatacaaa atgatggagt gctattttta 180
 gaaaaaaaga agtattctgg tctccttgag catgccctta gaatctcgat ttttctcgcc 240
 ataagcattc ctgaaagtgc aaaactatnt gcattctcctt ttgtgctaga acttcttgat 300
 taaataatgc atccgagtat cctatattca caatctattg gtggata 347

<210> 9109
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9109

actaagcttc aggctactca atngctccag gttgctgcat ggaagggcaa atgtctgtat 60
 tgtgggtcagc agaggagcac aaaccacaaa cccttgcgac aggtacagat ttctgattca 120
 aggccagctg gggtatcaag ttaaccaatg catccagtct gccttcaagc ttcttagttt 180
 tagatgatgc agatgggtct gtagctacct catgcactcc cctaagtact atggcatcat 240
 ttctggcgct aaactgctgg gagttggaag catctttctca ttttaatttct ggctcagcan 300
 ggtcatgcct ctaaaggctc accactggag catctatcat actttgtcca tatactgagg 360
 cttcataaaa aattga 376

<210> 9110
 <211> 252
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9110

tgttgtaaca ttntcaatta aggggggatg atgtagtgga ctaattcata tgctcgtata 60

cgttagttta tggtagttaa acaattaggt gggtataact aactgggatt gttgttgtaa 120
 gttccctcca tgtataaaaa ttattcattg ttaatcattt caagatgac aataatacaa 180
 gtctcattct caattccatt tactctatca cttctcttaa ttctctctaa acagaaattg 240
 tgtgtgtgtg tg 252

<210> 9111
 <211> 262
 <212> DNA
 <213> Glycine max

<400> 9111

ccttcacctc ttcgggtgtg caagcttggt ttcttttgtg ttaggatatc tacatcgtct 60
 gcctcagtc tttgtgtgca gtttatatat ctgttggaca acttcactta atgccacatt 120
 gatttaagat gaaatctaac atgatatcag agcttatagt ccggcttagt tctctctacc 180
 atgttggttg taaaagcagc agtacctgag attctcattc agttgtttgc tcttagaaga 240
 gccctacata ctactaatct ca 262

<210> 9112
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9112

agctttatga atgctatngc cgattgttaa caggttgatt agagtatctt cccaaactgt 60
 aattgttatc tttatatattt ctttcaccgt cttgatggct ttccacattc cgatttcaga 120
 ttgataacaa ttcaagtgtt gatacaaaat gtgatttcga acttggtagg tgcagctaca 180
 ataaatctgt ctcggggtgg atgggtgcc aattataacat tttttctccg tctttcgtaa 240
 tgttatgctg gtcggtgcaa tcacaattgg actgttcttg ttattcccgt gtaacctttg 300
 agttatgact tatgataaca cagcttttat ctatattccc tcatgcatct c 351

<210> 9113
 <211> 288
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9113

agctctgaat gcaactattca tgtttttgac aagattatct tcagactgat caacacttgc 60

acagtggcca aagatgcatg ggagatcctg aaaatcactc atgaaggaac ctccaaagtg 120

aagatgttca gattgcaact cttggctaca aaattcgaaa atctgaagat gaaggaggaa 180

gagtgtattc atgacttcca catgaacatt cttgaattgc caatgcttgc actgccttgn 240

gagagaggat aacagatgaa cagctggtga gaaagaatct tatatcct 288

<210> 9114

<211> 341

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9114

tgactnnggc gatttgattt agccttagtt tcactttatt tattattcaa ttcaattaag 60

aatgagaaat cccaaagaga aaatgtccga ttgattcttg tgcttcattt tactaaaaga 120

tatatttctt tattattata ttattatttt acctctgttt ttttatttcc aacgtgggta 180

tggcacgacc aaacgggtggg aattcattnt aacaaaaatt atacgaatac tacaattcaa 240

atgatcggtg gaaatttatt tttttagatt acgcgcgaaa tgacttacat aaatgactga 300

agcacgtcaa aaggtggtac gaaaagaaaa tgatacgaga a 341

<210> 9115

<211> 291

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9115

agctngagta caaatcaatg ttgtttatat aatnttacat atgtactctc atatatgttc 60

atgatgaaca attattttta gctgttctaa gatttgtgtc tggagaagct tctttgttgt 120

tcaataaaat tacgcactac aacatttggt ctttccttga acccggccgt aacatttttc 180

ttttctctat tagggaagtg gcaccagatt atctttctct aaagttcaga tgaggcttcc 240

aacanattcc aatgatatcc tcagtcattt cgcattgtct atgaacccca t 291

<210> 9116

<211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9116

ttcaccatnt gttacagagt ttaatgccgn taactgttgg tcattgtatt tagtgtcctc 60
 tttaaactct tctgcattga acttgaaagg gaagggaataa ttcatttcat tcaagaattg 120
 tgggtggctg gatgaacctt ctctccactg cattatgaag ggtgtgtcaa aatgagattg 180
 taaaaatgat agatgaagcc aacaccaaata attgtaataa taaatctgtg aaggtctgtt 240
 tcccgggaag caaagtccca agccagttca aatgtcaatc aacagactcc tcaatcactg 300
 ttaatctgtc ttcttacctt aatgaatata tgggatcaac tctgtgtgtg gttctttca 359

<210> 9117
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9117

agctatgatg atatggtctt catctacgaa aggattatag tgggtctaan aagaggcaaa 60
 tctgatcatc atgctttgat aaatgccaaa aaaaactagg gcaaataaag aacaccacct 120
 ttagcacaaa cctaaatcaa ccacaaagtc tgtctaccog caettcaatg acgaacacca 180
 cctttagcac aaaccaaaaa caccaacca gaaatgaatt ttgcagtgaag aaagcctgta 240
 gaattcacc ccaattccagt gtccatgtct gacttgtctc tataatctact ngataattca 300
 atggtagcca taaccctagc caagggtcat taacctccat ttctccgaga atacgactcg 360
 aacgcaacgt gtgcttgtca cgga 384

<210> 9118
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9118

tctacttatg tggcagggcg ggcttccttc actntcttct ctcttatgag agctctgacc 60
 actgttcttc cttctgcgga tgettctttt catgtccgcc tgagtgggat tatagcctaa 120

accatacttc ccacgatttc cttgggtttt tatcaggcta gttatgccgc cattgtctnt 180
gcctaaaccc atcccgggtt cataaccgtt ccccaacata actcggggcca tcattaccgc 240
cgcacgggac agacaagggt gcccaaagag ggagtccacg gaggaatgc tgaccacctc 300
aaaagactgg aaaagcgggt ctaacgattc ttctgcggct tccacataag gcatggagga 360
tgggcagctt accaagatat cttnctcgcc tgacacgatg a 401

<210> 9119
<211> 447
<212> DNA
<213> Glycine max

<223> . unsure at all n locations
<400> 9119

agcttgtaat atntatagct tcttttatta agcgtgtatt atctcacagt ggatgaattt 60
cctgagtga actggtgtct gatgcttatg acccacggag tattaactgt atacattaaa 120
tgcacagcct tccttgtgca accgaaccac tttgatagac taattggtat agcacttctg 180
tacaaaatca attccttttg cctgaaatga cgtctacact acagaatgtg tcttctgata 240
aagaatgaca acttctagat cttgaacttc atttattctt caaggattcg acagatccta 300
ggagagtgct ttgacataat ggatctcaga caaagtatca aatgaagtct tatatgtcat 360
ctcttacatg ttgagtgcac catggctata gtcgactatc gtatgatatt ccacatgcaa 420
actcatgatg catttttgat atccgat 447

<210> 9120
<211> 136
<212> DNA
<213> Glycine max

<400> 9120

ctaagctgga tgcgtaaggc tcactataga agcatgctca tgccacaatt gttattcgtg 60
gctatacgag acatcttgcc atacactggc cggttaacta caactcgcct gcgctgaaaa 120
ttccatgcgt atatgc 136

<210> 9121
<211> 385
<212> DNA

<213> Glycine max

<400> 9121

ttcggagcgt cgcgatatat tacgggactc tattggacat tcgagaagaa cgttattgtc 60
gtttgaattt gatacgagct tccgttttca atatggagca tctcgatata ttacgggact 120
caatcggaca ttccaataaa aagttatcgt cgcttaaatt tgcttagagc ttctattttc 180
aattcggagc gtctcgatat attacggcac tgaatcagac atccatgcta aaaagttaat 240
gtcgtttgaa tttgatacga gcttccaatt tcaatttga ggcgcgcgct atattacggg 300
actctattgg agatcccaga aaaaagttat gtctcgttga aattgatatg agctcccata 360
ttcaatttgg agcgtcttga tatat 385

<210> 9122

<211> 374

<212> DNA

<213> Glycine max

<400> 9122

ctgcataccc caaggatcca ttaggaaatt acttgtagaa gagatccatg aggggtgggct 60
catggggccac tttgggatag acaagaccct tgtcttcctc aaagaaaagt tttattggcc 120
ccatatgaag aaagatgtcc ataagcattg cactaggtgt gtggcttggt tacaagccaa 180
gtctacggtg atgcctcatg ggctatacac acccttacc atccatctg caccttgggt 240
agacattagt atggactttg tccttgggct tcctagaacc caaagagggtg tagactctat 300
ctttgtggtg gtggataggg ttagcaagat ggcacactct ataccatgcc acaagggtga 360
tgatgcttcc caca 374

<210> 9123

<211> 265

<212> DNA

<213> Glycine max

<400> 9123

agcttgatg ataaaactgt cttgagaagc tagagttaa ctacacacac gcgtctaaga 60
gctaagctca cctgcttgag aagatgtcgt aagaagctag agctcagcta cgcacaactc 120
tttaatagcg aagctcacct gcttgagatg agaaactaga gcttatctac acccccctat 180

aatagctatg cttacccccca ttccacaaat tcatacgaat acaacagtta aatgtcccta 240
ctactaagac tactgcaa at gccct 265

<210> 9124
<211> 314
<212> DNA
<213> Glycine max

<400> 9124

ctgcggatgt ggtcttctcc agagagaggt atcgatttta tctgtactag gcaa atcta 60
tcacctctgct tagacgaatg agaaagctgg tgcataatgaa gaggggtgaga aagatggaca 120
aaccatgct gtgactgccca ttcctatacgc gccaa gtttc ccaccatacc catcaatgtc 180
attactcagg caataacaca ctttctcctt acccaccacc ccattatcca caaaggccat 240
ccctaact accacagagt ctgtctacgc gacttccaat gacacacacc acctttagca 300
cataccataa acac 314

<210> 9125
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9125

tgattgaang atgaagttgt ggtgcgtgat cttgttttgt gtcacccaaa tgcaataaaa 60
gtatgcaatg gatggtatct tggtgttttt atagacaaga cctaccaa at aaacagggac 120
agaactccac taattgactt ttgtggagtgc acaccaacgc cgatgacatt ctctgctggg 180
ttngcatatc tggaggctga gcgtgtta at aatattgtat gggcttttga aacgatttga 240
ggcctaattt taagacacga tcgcctcctc ttgttattgc actgacagag actagcactg 300
atgaatgcag tgaaactgtg tttctcgagt ctactaaa at tgtgtgcagg tttcatatcg 360
ataagattgt gacgcgaagt gcacatttta atcggcgaaa aaatgtgtgt actatgaatg 420
gataccgacg an 432

<210> 9126
<211> 221
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 9126

tttgaggaga gtgtacatta ttcagaagcc gttgganaaa tctctaactg tcataatgct 60
 ggtgtttagt agaataagac tatagagaga gagagactaa cagtgtcttcg ggaaaagaga 120
 aataataatc tgcggagaga gaaagttggt aaggcctgng gaacacttgc atgccaggcg 180
 ccaaacggaa cgaccactaa caccctntct ttctcctcca c 221

<210> 9127
 <211> 549
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9127

tgcccccccc gcgcgtatga tctcatgaca tctgacacta tgataactcaa gctgagtggc 60
 aggaacaatn tgagatcgct ctggaatgaa ctatgagcgc tctaatttta agaataaggaa 120
 aacgtagtcg gcaactgatg cgtgatcatg aatctgacaa ccgatctaataaagatgaat 180
 atgagaggac acattactca cactctaagt tacagacatg attcttgtat gctccacaaa 240
 tggaacgcta tgagaagatt acaagtacaa gagactctga taggaaagtg aagcatgaat 300
 atcctatgga tctaataagg aatatactcg ggcgcgatgac tcacacctaa atcaaaggat 360
 atgatgggtg ttctctcgca tatacgaacg cattctgata gtgaatagac ataggaaacg 420
 ttgacaggaa tacgaaatat gacagctcat aaaaataatg aagaatatat atgggcacat 480
 gagtcacacc tcagcatgta ttaaagctta ctaagtatan gaatgaaagt tattgacacg 540
 tggatgacn 549

<210> 9128
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9128

agctataatg ctcatacatt ctntaatatg tttaatattc ggaaattaag aagttgtaag 60
 tgtcatgtta agccttgtcc ttgtgttatt tagacttggt attatgaggc aattcacgta 120

taccagtttc ctggaatcga ttactagtgg gcaaagttga tttcaaagct tttaactgaa 360
 tttacaacgt tccaattgat ttcaaaatgg tgtaatcgna tacaagatat tggtaatcaa 420
 ttactagtgc atctgaac 438

<210> 9131
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9131

tatgagaatt ccaagctnta taagtaaaga gtaaaaatnt atcatgatca aaatctttca 60
 aaaaagaaat ttcagcctgt cataccctaa ttttgtccag ggactatcgt tcgttgatct 120
 tttgatcctt gctagttgac ttacgggtctt gaatgccagt tacagtgcaa agcaaggaac 180
 cattcagtgt ttcgatcagg aatgcgaaaa ataccaaaaa agagggggcaa aaaggtcttt 240
 tcattgagtt tectggaccc tagctcgccc aggctagcct ctggctcacc tgngccctca 300
 aattact 307

<210> 9132
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9132

agcttaggga agagaagatg aaagtaatca ctaatgaaac aaacatgtct aatattgtcg 60
 accatgtaag ggagattcaa taccocacac ggtgggtccaa gcaaaccctt gatntttgcy 120
 taagtagcaa aatagaggaa aggcctcatc ggtcgacctg gaaaggaatc ttgaaaagga 180
 atttatccga cccaacaatt ggttaacctc tttaacgttg cttggactcc gcatgagcat 240
 caatcaggat tagccttgat tcatcgatat ctgagcatga acttgaggaa cttgcctact 300
 cgtaccccan acgagcactt ctcanagttc aactaaagtt ggtattggcc taacatatca 360
 naaagttntt agaggtcagc aaaacgttta ccaacttcta aggactntac taccagttca 420
 ttaacatang cctcaacaat tntcttggat aagttggcaa aat 463

<210> 9133

<211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9133

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atgttactat ttattaaata tgaatcatct ttattttggt tatattccca aaatcttatg 60
aatgaaggg gatggagaaa aagaaaaaag aaatccatta gcaagctaaa ataacctnct 120
taaaaaaaaa agctaaaata agccctacca atatttcatt gtcgtgcaat agtgaaaagg 180
acaaaaggga aaaatatctt cctctactaa tagtataaag cgtctccttt tctcgtgtac 240
gtgttttgaa aactgagttt agacgtcaaa ttgaagcana atcttaatgt tatcttatct 300
ttaatcttaa taaatgtaaa agtaacatag tcgctgatgt gtaaggataa ctctctatac 360
tcttacataa aatataataa ctcttaccgc gaagtagagt gtttctaata ttgcagaaat 420
```

<210> 9134
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9134

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agctatagaa gaccgnggaa ntatttattg ttgtgtggnc tggatcttct gttggactag 60
tttgaccctt ttgcttgaca ccatgtggcc caagtactcc acctgngttt gggcgaagga 120
acatttcgag agcttaatga agaactggcc ctgcaacaaa accttgaaag ccaattccaa 180
atgaagtaaa tggtcattga aggagctact ataaattagt atgtcgtgat gtggacatca 240
aagcccaagc ccatgacaac caccagcccc aggcccatga ctagatggaa gccaagacc 300
caatacaagg cataggaaga cccatgacaa gagcaagagc taaaaaggca caagatgctt 360
tggaacatat ggtgattatt ctgagggtag ttcaaagtca gggagaggcc caacacttgg 420
ag 422
```

<210> 9135
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9135

cttgatgcc a tgggtcaacct agtaacttag cttgtcatga atcagaaatc tgcattctgca 60
cctgtngcaa gagtttgagg tctatgttct atagcagatc accatataga tctttgtcct 120
tctttgcaac aatctggagt caatgagcaa cctgaagctt atgctgcaaa catttataat 180
agacccccctg agcagcaaaa ccaacaacaa caaatacaat ctatgggtgga ggaatcatcc 240
aaatatgaga tgggcaagtc ctctacaaca acaatagcct gtcccttatt tccaaaatgt 300
tgctgggtcca agcaagccat atgttctctc tgcaatgcat cagtagtagt aacaacaaca 360
acaaagacaa caagcaact 379

<210> 9136
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9136

agtcacctgc ggctgcaact gctttacaac atacattatt tttattgact ggtcatttaa 60
aaaatcaaaa cctttaaaaa atcattccaa aagaggtgag tttttttaca aattaaaagt 120
gtcattacaa ttgtaatttt ccctaaaaag tgttcatgga tctaatttaa ctataatatt 180
ttacaataag tattttttta cttgaacctt tcatgaagca tgggagtaca aaataattat 240
ttgcgagttt ctaaaacaag tattcttttt tcttttagac tcaatttaat ttacaacgtt 300
ttatcattaa tttaaaatta ataaagcana tacaaaaata attattttatt atattgtttc 360
ttatttgaaa ttttttcttt caccttaatt gcatgatcta aattntagtt agcaatcaaa 420
tcanaaattt taatgtacac taa 443

<210> 9137
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9137

tctcaaggaa gttatctnta gaaagcttct caaggaagct acctagtcta taaatagaag 60
catgtgtaac actngttgta actctgatga atgagagtct tgtgagacac aacttaaagt 120
tcaactttct tccctttttc ttccttcaat ttcattgtcc cccctctccc tttctctccc 180

tctntatattt cctccattga agcatcctct ccaagcttct tatccaaggc tcactttggt 240
 ggtggaagct cttcttccat ggcatattcc ctggtggatg ggcctctctc tcaccgcttc 300
 tcctttgtct tccgctgcat ctccatggtg gaaaatcacc attaaaggac ctcatgaag 360
 ctcaaagatc cagcctncat agaagcccca caagcaagct ttcataaggt ggtatcagag 420
 cacaagagc 429

<210> 9138
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9138

tggtgtgcaa ctctcatggg actaaagtnt aaaagtacaa tatataaatc aagctttcag 60
 cttgtgcaac tcagcccaca aaagggattc tataatgaaa ggaaaaaaaa tcaccaacta 120
 accaagaggt aaagaaatga ttggtcaatc ctaaatgcac accacaatgt agaagataaa 180
 ccaagtagaa gaaaatgaaa aaatggggga aggaaagttc aacaaccaac ccttactctg 240
 aattggaaaa gaaaaactat caaataagca agctatgggt ctattagaaa aagaataaaa 300
 ttagactntt aatttaaata cttgaattgg aaaaaggaaa atgctagttt gtatgaaaat 360
 gttntcgtaa aacagtatac aaaggagcta att 393

<210> 9139
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9139

agcttggttc ccaacgcttt gttcatactc tcccataacc tagaggtgaa tctaggatct 60
 ctatcagaca ctatgctaga tgacacacca tgtaatctaa caatcttact aatgtatagg 120
 gaggccaaact tctctaagga aaacctaata ttgatgggga taaagtgtgc agatttggtc 180
 aatttgtaa caataacca aatagaatca aaacctttgg gggatcatagg tagtcctaaa 240
 tcgaaatcca tggagatacc gtcccacttc cactgnggta tctctaaggg ttgtaactta 300
 cctgaaggtc tctgatgttt atcttagcct tatgganact aaacatgaat acacaaaactt 360

cctaaccact cttttatgtg ggccaccaaa acattatctt tagactctaa tacatc 416

<210> 9140
 <211> 239
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9140

cgaataggat gctntaatgg aggaaaagac aaagagtttg tgggtgtgttc taaatcgaag 60
 gaataaaaga cggagaacag tggaactttg aagcgtgtct cataagactg ttattcatca 120
 cagttacaat aagcgttaca catgcttcta tctatagact aggtaacttt cttgggaagc 180
 tttcttgaga agcttctttg agaaaacttc tttgaaaagc tacacaatgg cttcacaca 239

<210> 9141
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9141

agctntcact cggaggcccg atttatgcg ataatatatc gagacgctcg aanatgaaca 60
 acggaagcta tcgagaaatt caaatggtca atacttcgaa ctcgagggtc ctattaaggt 120
 gcataatata tctagacgct caaaatttta caatggaagc tctntggcta tacaaatggt 180
 cataactttt cactcgaagg tccgattaag ggcataata tatcgagacg ctcaaattg 240
 aacaatggaa gctcttgagc aattcaaagc gtcataactt gtcactcgga ggtccgattc 300
 aggtgcataa tatatcgaga cgctcgaaat tgaacaatgg aagctcttga gcaattcaaa 360
 tggtcataac ttgtcac 377

<210> 9142
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9142

ctgatgtaac cattggagag gttaatgaaa caacgatatg atgctctcca tgagagggtg 60

gatcaaatgg agaatagaga ccatatgaat tgctcaagag cttccattgt tcaatttcga 120
 gcgtctagat atataatgcg cctcaatcgg acctccgagt taaaagttat gaccatttga 180
 aatgctcaag agcttccatt gttcaatttc gagcgtcacg atatattatg cacctgaatc 240
 ggacctgcga gtgacaactt atgaccattt gaatngctca agagctctca ttgttcaatc 300
 ttgagcgtct cgatatatta tgcgcctgaa tcggacctgc cagtgacaac ttatgaccac 360
 ttgaattgct caagagctct cattgctcaa tttctagcgt ctcgatatat tatgcg 416

<210> 9143
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9143

nggaaactaa ttntatgcta caacaattgt tacaagatcc actatccata atgagagaac 60
 aagttttatc taaaattntg catcatgtat gaaagatgtt ctctccttgg gattaaaata 120
 tatcacaaga ttgacctcca aggagccttc taaccattag gaattcacct tcttcatggg 180
 ggtagacttc ctactagac tcttcacccc ttacttcac tcatttcca ctagaggaag 240
 gggaagaagt agtctgcttt cgagtactat aaatgtctcg acccctcata atcattgctt 300
 gctctatggg gggcattgag aggcaatgtg acctctccaa gaccttctta gcatttaatg 360
 ttctcttctt tctgggaaca ttttaacgggt gctttctcca tgacctacct aatcttcttg 420
 ggcggtgcccc cctctctata tc 442

<210> 9144
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9144

agctntgagg ctgtaaaaac tatataacag caccaagggt ctagtttagc tcattctctt 60
 ctctcctctc tctcttctat ttttogggtt tagcctctct tctctttctt ttttattttc 120
 ggtttttaca attccagttc agacttttag ttttatcaat aaaatttcgt tctctatttg 180
 attaatggaa ggctaagtcc gcaacattgg tttctcttga ggatcaagca gagttctctt 240

tgagggttcta ttattcatgt taaattctat tcagtttttc ctcttcacta attactttga 300
 attttttcta ttaattcgtg catgcttagt gcttgattaa ttgtctctgc acttaattta 360
 tgttcatgct taatgatcgt ttatgattaa ttgggtgtgtg tgatgcttaa tcacataat 419

<210> 9145
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9145

nttccggaag gtttccggan atactttctt cggaagaaga attgttgaag gggcaattgg 60
 ccacttcact gtttgctggg tgccccagca ataatgctgg gtgcacgtag caactccctt 120
 taacatgcca tgaacttggc ccaaattcga taatgtatta aacataaagt ttaaaatggt 180
 attaaagtag gaatgtgtgc attggaccac aaagagcaaa tgctcaacaa ctttgaatt 240
 gtgttctaag aggcgcaagt gagaagtcca aagtggagag gtccaatata ttacgtgcat 300
 gttatcacgc tataaaatgt aatattctaa agtccttcaa aagctataaa ctattcagaa 360
 gcaactatga aggttcgtat agaaaagctt ttgtgttgcc tactaaaaga tcttttgtac 420

<210> 9146
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 9146

aactataact atttgactga aattttaaag ttgaactgtg aattaagaac tagggcataa 60
 acataagatg tactaaagaa agaataataa tggagatggt caaaatgcaa gaaaataaag 120
 atcctgtgga acattctatg aatgatcctc tgcattgctg ttcacgtcca gtgctggtgc 180
 agatggtgga tcctgagaaa taggcaactt tggcactggt gtagatggct ctgcctgaga 240
 cgatatcatt gaatcatcct caaaaatgaa aggctcaagt ggagagggct cagagatgta 300
 atataagca 309

<210> 9147
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9147

gtggcagggc gggtttcctt cactttcttg cttccttcgc gagctctgac cactgttctt 60
ccttcgcgcg atgcttcttt tcatgtccgc ctgagtgggc ttatatccca aaccatactt 120
cccacgattc ccatgggttt ttatcagact agttatgccg ccattgtctt tgcctaaacc 180
catcccgggt tcataaccgt tcnccaacat aacttgggcc atcattactc gccgcttgga 240
cagacaaggt tgcccaaaga gggagtctac ggaggaaatg ctgaccacct cacaagactg 300
gacagcgggt tctaacgatt cttctgcggc ttccacataa tgcattggagg atgggcacct 360
cacaagatat ctttctcgcc tgaca 385

<210> 9148
<211> 226
<212> DNA
<213> Glycine max

<400> 9148
actatgagac taagctgctc taattacatg atgttgattt atggaggagg ttgttgccat 60
attgtttaag agtagtggcc actggtaaac taactttcca atttttgcct tcgcaggaaa 120
tggccccgag gaagcttgcc tcaaagaggt tcatgaaaga caacggcagc caaggaacta 180
gttccgctcc ggagtatgac agtcaactgc ttatgagcgc tgtaca 226

<210> 9149
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9149

tacttattca tctatggaat catatcaaag cggattttca atatattggt ctggatcaag 60
ccgaactatg cttgtgagaa cagcgaaatt cattgtatcc aaanaataca ctcaccttca 120
ttgtgccctc tgaactcaag caggtatttc ttaaacaagt tttgaattcc cataaataac 180
tcacaagtaa tgaaataaag ttccagatat tcttgatgat tattcatttt cttcggtata 240
tagtgcaaca tatgccccaa aatacaatat tgncaanata catatactat atatatatat 300
atatatctac atatcat 317

<210> 9150
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9150

agcttgtaga acggctgggc atgatatatg tcatgttttg gccagcgggt cggngataat 60
 ggggatgtcc tacattatct ccatgatata catgcaacaa tgatgattag ggaaatttat 120
 gcaaaactgg tcatgcatgc acccatgtgg aactcaagc atcaagtttt tatgggtcatg 180
 tgacactagg gctcaggatt cttttccct atttaagtca acccagtgtt tccaaaatat 240
 gctcttttat caatttatgc attcatccga gtcccttttg ggcgttcggg aaaattttca 300
 cagtattcac ctttaggtg tatacacnat tttttttca aaacaactgg ttatgatagt 360
 gaaatcattt tcaaagaaaa gctggaagtt atttctcttc taaagcatgt 410

<210> 9151
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9151

gcgagttgat ttagccttag ttccactnta gttattattc aatttattta agaaacagaa 60
 atcccaaaga gaaacgtccg attgatnttt ttggttttatt ttactaaaag atattttttt 120
 attattatat tattatttta cctctttntg gtttccaatg tggttacggc atgaccgaac 180
 ggtcggattt cattttaacg gatattacaa atcaaatgat cgggtggaat ttaatttatt 240
 ctttgattac gcgagaaaat gccgtaaatg atacaagaac taacgaattg aaaagtaaat 300
 gaaacaagaa taaaagtacg tgaacaaaat ggggaccacc aagggtacat agaatgaatt 360
 gaaaagtctg acttcaggaa ctta 384

<210> 9152
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 9152

agcttaagca cgagtaaatt gctacatgct taagttgtgt ttaaggtgca tccttaaagt 60
 gtatgcttaa gaaagttatg caaaatgctt ttttttttaa aaaaatggta ttccaagtgt 120
 gataaaatga aaattgggtc atgatatgag tatttatata tagtatggag ttaattgtat 180
 gctaatatca tgcacttcac attcatatga ggattttgat gtggtgattg taaaaattca 240
 tgggtgttga tgtcttacta tgcttaacaa actattgatg gattcataag tgtgatgaat 300
 atatgaatgg ttaacttatg atatggtaat ttgatgaaat atcgttataa tgaaaagata 360
 attatattga taagataatt atgtaaatta ttgaatgtct gagttatgtc gggtaattt 420
 c 421

<210> 9153
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9153

actaagctta ttgacatggg atttacaggt ttntcgaaca ttgattatag tttattgatt 60
 tattggatga gagttaataa ttaataaatt ttcttaagta tagacccatg tatatatagc 120
 taactccatt gtgtctcttc ctttgTTTTT aaaaacttat cttcttatac ttttgcaaatt 180
 taatggctct tagaatttct ttcaatgata agattgcgtg tggaagcatt gattggtgaa 240
 tcacagtaag agtagctgtt catctttgga agcaaactca atatagtaat ccaaagaaa 300
 tacgtaatac tgaatcgatc attttggtg aaaagatatt ttatataaat tgattttggg 360
 tattattcta caatgtctat tttggaacac aattgatatc aacccttatt atacatatga 420
 caattgagag tctcaaatat atgcttaatc tcaatttatt c 461

<210> 9154
 <211> 374
 <212> DNA
 <213> Glycine max
 <400> 9154

ccatgaatca gaaatctaca cctgttgcaa gagtctgtgg tctatgatcc tctgcagatc 60
 accatacaga tctctgtcct tctttgcagc aatctagagt caatgagaaa cctgaagctt 120

atgctgcaaa catttataat agacctctc agtagcaaaa ccaacaacag tagaataatt 180
atgacctttc aagcaacaga tacaatccag gttggaggaa tcattccaat ctgagatgga 240
caagtcctcc acaacaacat cagtctgtcc tttctttcca gaatgttgct ggtccacgca 300
agccttatgt tctctctca atgcagcaac aacaaagaca acaagcaggt gaggcctcct 360
tttcaacctt ctta 374

<210> 9155
<211> 401
<212> DNA
<213> Glycine max

<400> 9155
aacaagaggg atatgaggat gaagcttagt ttaagttagt ctaaaccctac gagggttgtc 60
taaattgagc ctagtccaac aagagggatc tgaggacgaa gcttggattg attcagtcta 120
actagtgatc aaggcttagt aatttaggct gcagcataaa acacaaaagc atgatataatt 180
agagaaacat ccttatatgc attaactggt ctgttaggaa gacccaacac ttctacctac 240
tgctgtcaat tctacttact tgcatattta ctgcttctag cctacactta gtttaatcct 300
attctaaata ttaattatca atgtttcttt aacaatgctc tataatctaata taaacctgtc 360
tatactattc cttgcgttga tacttgatc atcatttaat t 401

<210> 9156
<211> 389
<212> DNA
<213> Glycine max

<400> 9156
agctctttga actttgtcgt acttgtggga caactttcag aggaacaata tctgggttat 60
tttatgagtg gtttgaagcc acaaatcat cgagggggtc ggactctcaa tcccctgaat 120
cggatgcaaa tgatgcatat cgctaaagac gtagaggaag agttgagaga agatgatgat 180
gacgcacgca aatatggtag caaaaaagga gggcaggatc ggttgggtcg taatgattgg 240
gccgggtcag tcttttggag caggagcggg tcaaaccctaa aagagacaca tcgttcccgt 300
tgggccaacc cgactcagaa aacaggatcc agtggatcta acacgctctc tacgatgtcg 360
ttagtttcaa ctgagaaaaa ggggtgcaaa 389

<210> 9157
 <211> 340
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9157

 cggacatccc agctngaggt taatctcaaa gctctattat catattcttg ttagaggact 60
 tccaaagcta tcgtatcaag attcattttg tgtagcttcc caaaaaggga agcaagttaa 120
 aagttctttt aaagccaaaa aaaatctttc cacttctagg ccttttagag ctcctacacc 180
 ttgacctttt tggaccaacc aagaatacac ccctctttgg atgcangtat ggtctggtca 240
 tagtggacga ttacaccaga tggacatggg ttaggttcct aaccacaag gatgagtctt 300
 ttgatacctt ttataaactt tgtaaagat tcaaaatgaa 340

<210> 9158
 <211> 501
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9158

 agtactccac gcatacttga acccngttga nccngtgaga tccgtgatcc ttaagtcacc 60
 tgaggctgca gctgtacagt tttggtatat ttttatgtgt gtgtgcataa tagagcacag 120
 agnttgaact atagttcatg taatttcaca atccttcatt accacctcta aggggaactgt 180
 tcaagttaaa accatgcaat gaannaaaaa cgttttgagg ttaaataaaa tcggcttggt 240
 ttaggctttt aaaacaagct aacttcccat cactcaatat catgtgatct actgtagcca 300
 ccactcggtc accacttggc gcccgtcga attcttaact gaattactct ctctttgaaa 360
 caacactctt attctctat tcttgcatca acaactgacc cgtcactcct ccactcctac 420
 tcaatatttt tccaactctt ttccaattaa ttaaataatat cctatcgctt atgctatcat 480
 tccctccctc tccacttctc g 501

<210> 9159
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9159

aatagttatt cttaattata taaagataat atatatataa aaatataacc acccaaattct 60
 aaatatataa atattataat taaaatatcg tttcaacaaa aaaatgaaat gattttttttt 120
 caaattttct atantttcat tntctacata ttaaaagggt tttataagtc tactaatcag 180
 cttcaataat tactatgtag tttcttaaac tggaattctc acttactttc ttatacagtn 240
 taaatntcaa agaacactca taagatatat ataattacac attgcatgan aaatagaatn 300
 taattatcat gcctcgacag tgtaattaat ataaaaagct cttatagata cccgaaggtc 360
 tntatacagt gagtgcattt aaatgaaatt tatcagaaac cgatatctac tatagaat 418

<210> 9160
 <211> 185
 <212> DNA
 <213> Glycine max

<400> 9160

taccatcaga tccgagtga gacctgaggat atactaaaga ctgcttttag gaccggttat 60
 ggtcactatg agtatctagt catgctcttt ggtgtggcta atgctccagg tgtgtttata 120
 tacttcatga ataaagtctt tcacccttac ctagatagtt ttgtggtacg attcatagat 180
 gatat 185

<210> 9161
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9161

tgaagtgagg aagtgtggaa gagccggtct tcctactttt gttttgttga ccacagagtg 60
 gtacctggag atatgtcgca ngggtcagga gaccttgnng acgtcagggtg gngtgctatt 120
 gcccaaaacc aagcttgacc aatcccgacc caaccaggc atagtcagtc agtgagaacc 180
 tgtgacgtac ctaaacaggc gagctcctgg cagtcaacca ataaaagaac aaagaccaca 240
 aancaaggag gcttgtgtgg tggctggcca gctatggatc ttgagtggta tctggaatnt 300
 ggctctggt aatcgattac caaggatgtg taatcgatta caaggcttaa aaatgaagac 360

aggaag

366

<210> 9162
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9162

atattgcact gagacaataa tctttgcctc acttgcaaag ttaatgagta aatggaccat 60
tatgtaaaac aatgaggaaa tatttttaaag acaaataatta ttagaagagg gattgaattg 120
tacattttac taaacttaaa atcttttttg aatacaagaa agatattgtc tgatatagtt 180
aaacttaaga gaacatatga gatttttgta ggacaaatca aacgatagtt cagatctttg 240
taaaacaaat aatntgttaa aagtaaactc caaattaaat cctaagtcag ttaaaaacaa 300
aa 302

<210> 9163
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9163

cctagactcg taagcttctt gcgtcgccgc tcttggtgct cagnaaatcc catatacaat 60
tcctcttatt actagctatt tggaattctt tagttcctga atgtacaacc ttcaaattgt 120
tgctcgttcc cctctttctt ttctgcaaaa aagaaaatca aatgctgtga aaacatggat 180
gaagtcctaa gaaaatcaat atcaaagaaa acatggatga aatcacaatt aataagcaca 240
accacctatc tttcagagtc ctttggttaa tgtgtcttgt ctcttatgt ggtgggggtt 300
tgtttaataa tattatactt ttgccttccc aaaaaaactt atgactgac ctctctccat 360
taatccaatt ctgtatgtta ttgtataaaa gatcatgggt tctc 404

<210> 9164
<211> 320
<212> DNA
<213> Glycine max

<400> 9164

gatgatatact cgcggcggtca tattgattgt tggacatcaa actgctgggt ttggaaacca 60
 aaacctaattg gtcaatttttc tacaaggagc acatactgta tgctactaga aggagcagca 120
 gatcatactg tggatgaggc tttagaggac ctatggcagc tcaaaatccc tttaaaacca 180
 acaatatttg cttggcgatt ggataaagat agaatcccta ctatagggaa tttttcaaga 240
 agacagctgg agaaaggctc tgcccaacct tacaactatc gtgtctagta attatcaaca 300
 aacattttttt attacggtag 320

<210> 9165
 <211> 296
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9165

tcttgcgtag ccgctctngg tgctcagatt atccccaaaa caaatccctc ttattactag 60
 ctattttgaa ttctctagtt cctgaatgta caactttcaa attgttggtc gttccctct 120
 ttgttttatg caaaaaatga aatcaatatc aaacaaaaca tgcatacaat tgtcatcggt 180
 attgctactt gaaccataag gaataccatc taaagaagta cttcaaaaacg gttatttatt 240
 tcttttggga ttttttgaat tacaatttga cttcaatatc taattcttta atgtac 296

<210> 9166
 <211> 231
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9166

actaagcttg cagagtgatg acttcctnc ncaaagtctg cattatgtaa tccgccnnnc 60
 acncccatgt acagggtttct gtatgtagga ttgggcctcg atcttacctc gaccacttat 120
 ttgtgtgctc ttcttttagca cttgaatgtg gcctctttcc aacttcgtcc gaataagagg 180
 gccatggtga gggccttcga aattctgtgc ctctctttca acattcgacc t 231

<210> 9167
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9167

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agccaatgct atttgcaata accatcttcc aagtggacat tggacttgga aatttgaaat   60
ggggtttaat ttccacaaca tttaatggcc atgctgcgag aacattaatc gagaagggtg  120
accaagaaat gaagcaggaa aatcttaact taatactact acccattttg cataaccag   180
gtatccaata ttgggaataa ttaatagga aaaatcagt gtgtagaaat gcattacact   240
gatgtggttg atgtatataa caattggaca aaagagaaaa agagctaggc ngatgttata   300
gaaagagaac taaacaagat caacgtaaca ttattaatga aagttctaata ccctattgtg   360
caaaacactt caaaaagaaa tcctatctag ccaccaaagc caagaaaact gtatagtcaa   420
tatacctac agctg                                                         435
```

<210> 9168
 <211> 527
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9168

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agttgtttcn nnnnnnnnna aggggncccc cncgnnatgg aaaccttann nnagtctatc   60
tcgtagcgcn caagctcnac gancgtacac gtnnaactac atgtatcctt cattggaagt  120
tcttagagtg gacatgcaaa ataaataacg ctgacactca aataagtcca tgattgagtt  180
gagtttgaaa attgaaaggg gtganataag atctgatctt tataacgtga gataggagtt  240
tcgaagtctt gattgtaaga gagttataac agtgatgtaa caactctaga tattccctac   300
ttggtaataa ttataggaga aaatcatagc tggtaaatat agttatagat attcctcctt   360
atagataatc aatggatata gaaattcatt atatagatat tcattctaga gatagtagtc   420
ctgtacctgt aagaaatata catttcctca aatcaattat gttttgtaca catgtggcct   480
atcttactgg gccattcccc actgtagata gcttcaccgg tggtcen                 527
```

<210> 9169
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9169

<210> 9172
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9172

tgtagagaga tcttcattct ggtttaattg attactgata tttgtaatcg attacactat 60
 tcagttgaga ccatgtctca ttttcagtag tctctanctt aatcaattac caagtgattg 120
 taatcgatta catcgttctt gaaagtgggt ccagtagtga tcaagaaaac tttgatcgna 180
 taaatcaaga gtctaatega ttacattggt cttgaaagct ntctaggtgt tgggaagaac 240
 actttcatcg attaaaaatg ataatctaata tgattacttc tttaaaataa tcgattaatg 300
 tggcaatnta atcgattaca tgccaatatg attgtcttct ctatatatag ccaccttggtg 360
 ttctcagctc ttacgactcc acattctagt cttcattcct 400

<210> 9173
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9173

gtcacctgcg gcatgcaagc ttgtccattg gcaaagttac agaaggccaa tttataaaaa 60
 tgatctattc agtcaattat tcttcacccat catttttaata tatctaaagt tcattgggtg 120
 gatttaacat taacaattag tcagtcaagt tcaagaggac ttaattacat gggttaaaga 180
 atatgtatct tttttctcc aaaaaaaaaa taagtccctt gatgcatttc ataagttaat 240
 ggaaaataaa aggtgtagaa gaaatgcnat taaaggatg aagccatagc aagtgtttgc 300
 agtttaccgc ttgaactcan gtgactgctt atattngtca aactcttgca accattcttc 360
 atccgagaaa ggaggagag taccggtgaa ttccaatcag tcattgaaga ccagatcggt 420
 gagtcttgta aactcccgag caccaccatg ctgaacaccc atg 463

<210> 9174
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9174

gcttcanaaa gtcaagcaga acagcttaaa gaagaacaat gtggcgatct ctgatgtaac 60
 caatcatgct cggaagaag agttagaaac tggccgttaa taatttgcac ctgtaattac 120
 agaacttgat gttgcaaagc aagaactgag taaaattcgt caggggtatg atttatacctt 180
 ggaagcaaga gtttctgctc tcaagcaaac agcagaagct gaagatgcaa tgaaggcaaa 240
 catggaaaga gcatgtgagg taccctaaag aaatttggtt gtgcaggaat cagttgagaa 300
 aatgaatgct gaatctgtcc aagcacatca actgcaagaa gagacattag ccggacaaaa 360
 agttcttaga caatcatatg aagccatcct tgaagaatca aaaaagaag 409

<210> 9175
 <211> 280
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9175

agctntaggc ctactcant gttgngcctg cccttgtagag aactctttta tttgagaaat 60
 aagaacaata aaaatatgct actactatta aaccatattt attttgagac tagagggtgc 120
 attggctttt gagatgtgtc ttttcttctt tttcttcccc ctccctctcc ttttttaaat 180
 acttcagata ctacactttt tactggaatt cttattcgta cataaggcan aagaggggtg 240
 gggggagcat accatgtagt gatgcaaact tcgtggacag 280

<210> 9176
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9176

cacgggttga ccggcctctc tagtgatcct ccaaagtgtt atcctgttca aactgcaca 60
 tggagagtga gtcatcctcc acatcaagca gtgcaagaat tatatgcgac ttagattac 120
 taggtggaca cgcttcatcg tcaagcattt ctggtgcgtc caaagcatta acttgtaacc 180
 tagcccgctt gattgcctcg gcgtcaccct gaaggagctn tgagatctgt ggtccaaatg 240

tccgagagaa tatccatgag attttcaata aaaaggacta atgtactgaa tgagaatatt 300
tctatggnga tcaaacaaga agataaagtt aacggctgca ctatagaggt cagataccac 360
attgattagg ataagcaaaa cgcagaaagt ccgtccattg tccaggatat acactcaata 420
tgcaac 426

<210> 9177
<211> 428
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9177

agctgggtga taagatcgcg agtttctagc caatctcaga tantaatgag aatgtntatt 60
ttctttgtga anaataagaa ccttaagatt attaatatat tatgctgcta tgtaagtaga 120
aatagccatt tcacatatac tgcacctttt tcttcaagag aaattcagtc aatgttgcat 180
tttactgata tccttaatac agtaagttaa tactcgaaac aggtaaatat ttgtagagtt 240
tcccttcaaa gacccgttga aaatgggtcat gcatagatag acaatgccag ctgagcatag 300
tacaggacat tnnttgattt tgttgggtctc gggactcata attcatgagc caatcactaa 360
tccaaatatt ggaaataaaa tatggaactg gcttacgtaa acagtaatta aagtacatgc 420
tcctacga 428

<210> 9178
<211> 330
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9178

tcccgcattc gcacttgga ggaactgatt accgccttcc ttatgttgta tcagtacgat 60
tctgatatgg ctcccgactg gactcagttg tagaacatgg ntaagagggg aagtgaagtcc 120
cttaaagact acgctcggcg ttggaggggac ctggtagcac aagtagcccc tcccatgggtc 180
gaaagggaaa tgattaccat gatggtagac accttgccga tgtnntacta tgangaaata 240
gtgggctaca tgcctccag ctctgtagac ttggtattcg ccaggggaaag aatcgaagtg 300
ggcttgaaga gaggggaagtt tgattacgtc 330

<210> 9179
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9179

 agcttgagat agagcttgca agtggttagag ctagtgtggtg cagcgaacaa tacttgtaac 60
 tttgataagt tagtgaaaat ttggtgggttg tcaagaatcg gacgtagtct caggatcgag 120
 atgaaccaat ataaattctt tgtgtgctct cttgttggtt aaatgacaaa ggcgttgaat 180
 ttgctnttag atcttatatc tctttctatt tttcaaggaa aactattttc ctcatcgttt 240
 aatacagcct aaataaatac ctgt 264

<210> 9180
 <211> 441
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9180

 ggatgtagag ctngattgtg taagagtaaa aagtgatact aaacttatac ttgtaactng 60
 tgtgaagtta gtggaaattg atgattttca agaattggac gtactctcaa tggtagagat 120
 gaaccagtat aaaacttttt gcatttgatc tttcttgctt tcctttaagt tttatctaac 180
 caaagggtgt gaatttggtt ttagatttaa atagatatct cgtgggtttct aaaaaccatt 240
 ttacatcatc taatagnntc ttgaaaaaat ctataatatg ctctntacac aagtttatca 300
 gatgaaaact ttgttttaag tgaaaaaaga atttaaaatg tataaaatca gaattcaatc 360
 cccattcgtg atagttgcct ttacattaaa taaaaagatg aaaattttaga tagatatcaa 420
 agctgtgtta acatttggtt c 441

<210> 9181
 <211> 303
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9181

 agcttccatc ataagcgtng gtttagttgg ttttattctt aattgcaaga tatattntga 60

ctgaacaaaa gtcgttntaa ggcgttgac catttaaagc atattttgat tctttttgag 120
 ttgatttttag ccttagtttc actttggttt ctagaaagta gtgacaaagt tatgcgttgg 180
 ctttaggctt tcaaaagtcc acattttcac caaataaaag caaagaggat cattcaaggc 240
 atcggacctt anaatggttt ttaggtgatg acaaaagctt gacttgtgag ttgattntag 300
 cct 303

<210> 9182
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9182

ctatgctgca nacatntaca atagacttcc tcaacctcag cagcttattc aaccacagca 60
 gaacaattat gacctctnca gcaacagata caaccttgga tggaggaatc acnctaattc 120
 cagatggtct agccctcaga aacatcagca gaagcctggc tccttcttcc aaaatgctgc 180
 tggcccaagc agaccataca ttcctncacc aatccaacaa cagcaatagc ccagaaaaca 240
 gccaacagtt gaggtctctc ccgcaacctt cctcaaagaa cttgtgagac aaatgaccat 300
 gcagaatatg cagtttcaac aagagaccag agcctncatt cagagcttga ccaatcagat 360
 gggacaattg gctacacaat taaatcaaca acagtcccag aattctgaca agcttgcttc 420
 tcaaattctgt ccaaaatcca aaaat 445

<210> 9183
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 9183

ccctctgtaa ctggtttaaa cccaattctc tttttcggcc ctcttcatta ttcgttctaa 60
 agctctggat gggccctggt gacatcctta tctcatcaca ctctttccta accttgaagg 120
 ctgtcatctt gaactttctc ttgaccactt gcattcttcc aagctccaca ttcaaagctt 180
 gcacttcttt gctgttctta aggacattag ccttggtccc acttgaaata tttagtctgg 240
 gagcccagtt ataccttgca tccgagcctt caaccattta tgatattcac caataacacc 300

gttgaagctg gcttcaagct ccttatactc tctttgcccc cacttcatgc ttttctgact 360
 cgtccaagca tctatgcaat tgcgtcacat gagacacctg ctatcatagg cgtgaaactc 420
 tctttctatc g 431

<210> 9184
 <211> 192
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9184

ttggaagcct ntacaaggat ccagctagac taacacatag aaattgaact gtttgattga 60
 tgttatcaac ggctcacaat gatttgtnnt ggtaatctgt gtctttccaa accagtcaat 120
 aagatgtcat tatatgggtat ccatttggtta ttcgatgtgc gttcttttaa atcctaattg 180
 gattgagatg tg 192

<210> 9185
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 9185

agcttcatct atggcagcca agttctcagc aacttttaaa tataatctcc tagatccgat 60
 caattgggtc agtgcgatcc tgcacagcaa tcccttctga gacatcggcg agtgatttga 120
 gattgcactt aattaaggcc tcaacgaagt agcaggtttc atctttggtg ttgccctcag 180
 gtacatccac cacaaaagat tcaattacca gtgtacctgg ccttccatca ataatttctg 240
 ggtggaggga catgatagat gagtagttct gaaagataag agatacaact tatgttaaaa 300
 aaaattattg tgtcagggtga cacggacaag atagcttaat catttagccc aacttcttag 360
 acaggccggg aaaacaaaaa tctatataat tactcatggt ggacgtaatg cttggtgcgt 420
 ctttaataca tgaatat 437

<210> 9186
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9186

gacacttaaa actaagcttc gttttcataa atttaatgag caatttgccn ctatcttggt 60
tttctttaaa tntactacgc cttccagttt tacgcttcct ttgtgtttca cttacactgt 120
cgtgtcctgt gtgctgggtg gtttttgcaa gctntgggtg tttttggcaa gttgttgga 180
gtcgttggtc ggtgaagggt aaatattggt ggtttctatc atagttgctc ttcttattcc 240
gttgagggtta cgcattntat gattnttctg tttttttttt gtgtgttcat gttacagaag 300
aagcagtaaa atggcaagga aggttattca gtaaaaactt ctttcgaaag aagttccttt 360
taccggaaga agctgttctg gaagtaatgc tacttatttc ggaag 405

<210> 9187

<211> 286

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9187

atccttaagt cacctgcggc atgcaagctt gaaagtgtgt aaccaaccat tnttcattgt 60
gaacaccggt aacgtgtata ctatcattgt gatcatcttt ttctctgtca ttgaagggtgc 120
cacttgagct gtcaagtccc tccaccttg ggcgatttcc ttgaatgact catngctctt 180
tttacacatg ttttgtagtt gcgttctatc cggagccgta tcataattgt actgatattg 240
cctaaccaag gcaaccatac gttcttccaa gaaagactcg ggaagg 286

<210> 9188

<211> 366

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9188

aaagtatgcc cgagtcattc atccctatga gatgttgctg atgtattggc gatcagaatt 60
gccattcctt ggatnatann ggtgaaccaa gctcatgctn ttacaaaaag gttcatcaag 120
tcaagttgaa atatggaagt aaccgtcttg caaaattgng gcaaaagatg aatngagtca 180
catcactgct tcgtctactg ccaaacatat ntaggattat tgatgntcct tgtacttcca 240
gtttcacctt gacaaagatg tcatggacca tgtngaaaat ctaaatngan tcaaccccat 300

atcttgcgta aaaattcgca atacttcaac tgtgcatcat tcgcatgcat ccatgctttt 360
cattgg 366

<210> 9189
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9189

agctntacat gttttcaaac ttataaaaag ctnttgaaaa gggaatttta gcttggacaa 60
caggttntat tatttaatta tagattgaga atgtttccag gtaagccgga atctatgtgg 120
tatggaacac tcatcatcaa tntcgtcaag ccacatggag ctatgggtatt ggatgatcta 180
gccacanaga tgacatggat tgtgaatggc agcaggatca aacactactt ggggtggatgat 240
gttgagagcc ttaccactat tgtccaatng aaggagtcta aaccatgaca agaacgtcca 300
gctaataaga tgttaaagaa gagctactan gaggcaacct aatgtttcta aactttgtct 360
caatttgtgt tacctgaatt ntatgtctcg ggtttttgaa tatgtttatg aaatttactt 420
tt 422

<210> 9190
<211> 178
<212> DNA
<213> Glycine max

<400> 9190

atactcagct tatgatgttg aatcaagatg atcaaggagt tttgtgatat ctaagatgag 60
acaaaaagcc aagagaatag ttcaagattt gtgacaaagg atcaactgat gttttgatga 120
tgcccaagat acatgtttac acgctttatt cacgactcta aatccccgata ttcatgat 178

<210> 9191
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9191

tcttgagtca cctgcggcat gcaagcttca tcttcaatcc aagaagaaag tgataatgtt 60

tactntaatg atttggatga agatgatgat cttaaccttt ntggaaaaag gttcaacaag 120
 ttcctcagaa tcaaaggaaa tcaaaggaga ccaaatttta aacctaaaag aaggacagaa 180
 gattcatcct ctacttcaaa atgctatgaa tgcaatcaac ctggacatct gagggttgat 240
 tgcccgatct tcaagaaaag aatggagaaa ttgaaaaga aatatttttag tgaaaagaag 300
 gtgaagacgg cctacatcac atgggatgac aattatatgg aatcatctaa ggattcaaaa 360
 tatgaagaga taaacctgtg tctaattgggc taaaagtatg aaagtgatga agaggtaaca 420
 tcttcaaata acaacttat 439

<210> 9192
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9192

agcttaggag aaaaagggtgg attcaccact agagattgtg gatcagctgg ctttggttta 60
 acccgtgtag ttgtgggctc agcaggagca gcctcgtcgg gtctcaccaa tggaaagtga 120
 gcttcaagcc aggctacttg cttaagaaaa tgctccatag gtatgaatgg cctgtgtga 180
 gccaaactctc gcaggctgtg catgataata aactatcctc agaataagct ttgtagcata 240
 gggactaaaa gttgagagcg ntggacaccc agtcctatgg ctgctgacgg aggagctaga 300
 gtggatgatg aagggatgtc atctgttcta gcccttttct tgatgccatc attacta 357

<210> 9193
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9193

agcttcatct tctattcagg aagaaagtga ctcatgactn ggaagaatta tctcagtctt 60
 tntgtcaaaa gaattaacaa gtntcttaaa atgagaggaa atcaaagacg caaaacttc 120
 aaacaaaaaa ggagaattga agaatcatct catactttaa gatgttatga gtgcaatcaa 180
 cccgaacatc taagggtgta ttgtccaact ttaagaaaa ggatggagaa atccgagaag 240
 aagaactttg gagaaaagaa tgcaaagaag gcctacatca catgggatga taacgactta 300

gaatcgtctg atgattctga aaaagaagtg attaattctat gcctaattggg caaaaactat 360
gaaagcgac 369

<210> 9194
<211> 197
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9194

atgcatgcat atatgtagca tgtgactaac caacaagcgg ctaatcatag gggtcaggtg 60
cagctaaatg agagcttcta ccagtacacc ctacaccagc aaagccagga ccctagacct 120
ttcccggtgt ccaactcccga gcagttnngh gccacagntg catggctgag agatacgctc 180
ctattttaaa caggggc 197

<210> 9195
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9195

tattgttgca ttctactaat atatggaatt gtccactgct tttgcttgat aataacaatt 60
gcttgaccac aacaacgctg gaggcggtaa gggacaatgg tctttcaaata aaacctgttg 120
tacatgaaca aagattatat catgcggtga ccgtgtcaaaa tgaaccagcg aagtcattgc 180
ataattgtta tactaactat attcaatgta cctgaacaaa atgatttcca aacacgtgac 240
tgacacatat catgcggtgc ccagaagaat caggtggtga ttgacttcta agaggaaaaa 300
atgtcatgct nntgtgtcgg gacaacgata caaggattac attataccgt gatacaatca 360
catantccat ctnnctgata tccatccact tgtncacact aacctgaatc aaccaaacat 420
acacatg 427

<210> 9196
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9196

agcttgaacc tcacagaccc aattccaatt atctttttaca ggacttggtg tttccatgga 60
ggactgaacc accaacttgt ttgtcaagat cctcaaacca agacttggtt ggagtcatat 120
gaaatgaaca cccagagtcc aagatctatt tgtctcagtg ttcttatgag acaccattaa 180
agcctcagct gaatcataac catcttcaac tagagtagca tttccagggt ctttagatcg 240
atcttgctgg tttcctttct gtctattagg acagaatctt cgagtatggc cttctctttt 300
acagtggtaa catctaattg ttagtacatt agatccaaat cgagttggtg actnggatct 360
tttcccttct gtcttatca 379

<210> 9197
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9197

agctggtag aattggtggt caataccatc aattacgctn ttaaaaactt atgactttct 60
taciaagaag tgaaagaact atagctagtt cagagatggt gaagatcgaa ctaaacaagt 120
tttgattaac agtggctggt tttgttttaa tagtattaga gatatagatt agttcagtta 180
attacaagtt aattattaag ttagttaatt agttacaaat tagttatttt tgtaaccaat 240
tatgtaacat tactagcatt agttatataa ggatgaatgt attcatataa aaactgattt 300
actcatttnt agcattatcc aaattaatat ctgagttttc ttttctcttt tcatctttct 360
atcttaactc tatcaaatag tgattggaac acatg 395

<210> 9198
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9198

agcttganat tgaataatgg aagctctcga gaaatataaa tggtcataac ttttcactcg 60
gattgccgat tcaggtgcat aacatatega gacgctcaaa attgaacaac agaagctctc 120
gagaaattca aatggtcata agttttcaca tggatatccg attctgtggt ataatatatc 180
gagacggctc aaattgaaca acgactcgag aaattcaaatt ggtcataact tttcactcgg 240

atgttcgatt caggcgcata acatattgag acactcggaa ttgaacaatg gacgctctcg 300
 agaaatacaa atggtcataa cttttcactc ggatg 335

<210> 9199
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9199

tgcatttggg anttgcgaaa gccactcca tcattaggat tagttctctg acatctcaaa 60
 caaacaatc aaacgtaaca agacaattat agttgctggt tgaatacctc acccactcaa 120
 gtgtatcaca caattatggc tnttctctaa tgaaacactc ttgcctttta ccactctaata 180
 tccccttgag ttcttaggca attcaagaga ttatggccac aacaaagaac aattcaccaa 240
 tatgtgtaag gtaaggctag acaaggaaaa ggtaaccaa gaaaaaggct aacaatgttt 300
 ttaggcacaa atgaaggga ataaattcag aatttaggaa ttcaagtaac aatccttcat 360
 gcaaccaata tattacctta aagaagtttt tttttaagtt c 401

<210> 9200
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9200

agctgggtctc agcgtttatg cgatacagag accattatgt tagccatcgt cagcangtac 60
 caagaagaat taaatctagc cacggcccac aagcacaaag tggcagacga gtatgcccgga 120
 gtgtacgcgg aaaaggaggc tagaggaagg gtgatcgact cgttacatca agaggcaaca 180
 atgtggatgg actgatttgc tcttactttg aactggagtc aagaacttca ccgatggcta 240
 gccaaaggcca aggcaatggc gaacacctac tccgtcctca aggagatcca ggaacttctt 300
 agctattgtc agcatatgat agacttaatg gccatataa ttagagaccc taggaagttt 360
 gtattgtcac tcagatcttg actagttata actttctgaa taaaatgagt ttattccacc 420
 gttttactcc aaaaatcagt gtgaatcaaa tcac 454

<210> 9201
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9201

tcagacaact tgtgtaatcg attacaataa ggctgttata gatgttaaca caatntgtgt 60
 aattgattag gataaggctg taattgatct aaacaaagag ttctttcttc tgaagaaact 120
 tttctaactt agaaatnttt cttctaactt actcatgata atgcatgatg cacaaaagat 180
 atgatatgga ctaagatgca aaattcagta taataatcaa tacaatgcc actcaaggga 240
 gttgggcatg taaaagacaa aacatcttca agatnttgct caaactccaa gctntagtct 300
 ntattttgtt catgttgctc nctctatcta acaatctccc c 341

<210> 9202
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9202

agcttaacct ctaagggtta agcacctgac aacgtttaga gaaaaatatt ctaatggaaa 60
 ataacaaccg taatggagct aaatacaaaa gctcgttata ctctaacatg tgctctgtcc 120
 aggaatgagt ataacaagat ttgtagattg aagacaacca aagagatcta ggacatgctg 180
 agaatcaact acgaatggac aagagatggt caactgagaa aagttgtcac cctaacaagg 240
 cgttatgaga ttttctccat gaaagaagga gaatctatgg atgatacggt tggaagactt 300
 caagtgcttc taaatggact tgaagctctg ggacacatct tcctcanagc tcanataaat 360
 ctgaagattc tagatgactt tcttaagatg tggaatgtaa ttctcttcat taaataacaa 420
 ccctaataaa agtatacttg ttcataacat aataatttat 460

<210> 9203
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9203

tcttctnttc tcaagttcag cttctccata gtaagaatac atgtgtgtta aatgctcaga 60
aattatgtgg aattcaagat gcattcccaa tgagcttgct tcttcacaa gcacattcat 120
actagcttga agttttgagt tttcttcatt gccagttaat ccggtgatcc ggagtgttgg 180
aggcccttca ggccttgaag aaagggccct tattagggaa gaccactgaa gggatatgctc 240
cattcctaaa tcaacaatgt gtatnngagc tctttcttgt gatgcttggc atat 294

<210> 9204
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9204

agctngatca accncattnt caatgcanaa catgttgatt aatcattcan acaatcacia 60
acaagtattc tcaaactaaa tgcaattaac ataaaattaa aaaggactgg gtttctctcc 120
agcaagcgtc cgtttaacgt cattaacttg acgcacttta ctttatgggt ctggatcaaa 180
tttggttccc accttcaaaa ccatctcttc ccatacttta tntacctctg aacaaacatt 240
ctagttgagc gaatgctntt ctttctcaaa taagtcgaaa cagatctttt gatcagcaat 300
tcccatctca agctntttct tcccatgct cactacatag ctagecgtca acatgaaggg 360
acgaccacg atcaagggga tctcagtatc ctcttcgant ccatectaca aactcagctn 420
nggaaagtaa tgctcactct aaccaaacad gatgta 456

<210> 9205
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9205

tatcctntct tgatntactg tgattactat ctacattctc cttttgtcta tcattcttcc 60
tttcaaagtt tctgttctaa gtgcttgctc ctcatgatan gttacccgat taactttntc 120
ttgtttcttt ttaccatca aggacaacct aaagtgtttt gctaattgag aatgacttta 180
aaagaaaaac ttatattgaa ttgctgaaca cctcgtttta tcttatttct ttgtgatctg 240
gaaaagagat gaaaataaaa tttaattgta aggccaaaaa ccaatgtgat gtgttaatga 300

tcttgttttaa aggggtggtct gcattagaat cgaagtattc accgganaaa aagttatact 360
 tttcttgaaa aaatcttcca ttatgatttc atctttaaaa ccttccattc tactatcatt 420
 tctattaact 430

<210> 9206
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 9206

agcttatacct tatggcttgc ctctggactt cacttttctgt gccaccctat aagatttaag 60
 ccaagcccct actttcgagg ggcagctcca accttatgac gactatcccg ggcaagacga 120
 tgaggaagga gatacccatc tcggctctct gctccacctc aaagatccgt ccccccata 180
 actaccccaa ccgaacatag tccgccatat cccagcttta cctacacccg taaaagaatc 240
 tgttcccgctc acggaagata ggggaaagat tgaggcgctt gaagagaggt taagagcagt 300
 cgagggcctt gacaattacc cattctcgga tttggcggat ttatgtctcg tgcccaacat 360
 cgtca 365

<210> 9207
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9207

ntgcactgtc atggatattc tcatggcaat atcgttacag catgtctgaa aagacaaacc 60
 aatatccatc actacaaaagg cagcattcg taaaatggtg ggcataatct cactcatcca 120
 aagcggatcc agaacaagta aaactctggt tccaatccca tccagaattc ctcaaagcag 180
 ctgatccaga aacttctgtg tttntgaacc aaaagtctca tctggcagca tttttagcag 240
 gatcgacatc aaaggaggctc ttagctaana atctgaagga atttctacaa atgttacagc 300
 aggaagaaga agcttcatcc tcaaagaagg aagaacaag ttctgctgaa gaagaagaag 360
 aagatccctc ttacccaaaac gaagatgatt gttttggtat ctgggttagaa ttaaattaat 420
 ttcggtcaca aaacacgctg tttgtaataa tgtgtaatta atgctcgaca atactacctg 480
 tc 482

<210> 9208
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9208

agcttaacat gtatagnatg tacacatcat cgatattatt ccaaaaggaa tgtgttcagt 60
 tctgtaagtt aaggacgttg aagtataact tctcaatggt tcttttgaaa aattgcattt 120
 gcagggtgcaa gaaagaaaag gactacctat ataagcatga agtttagccg cttcaagaag 180
 ctgggacttg gctttgatat gcttatgaag gatagggaca caggctagta aattagtgtc 240
 gagcaagagt aatgttataa actatcgtgc aaattatatt catgtattca ttatgaatag 300
 aaagggttca atcttttagtg acaccctgat attcgaatat ttgaaatgtg taatttgcta 360
 agatgaaatt caatcgtcac gatatttcat ctatgcagta gnttggtgta tggtatgact 420
 atggtgattn gatcgacaat tacactataa tggggga 457

<210> 9209
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9209

ctcatgaatg ccaatcatgc cagaaacttt ttgtgatggt tgttataaaa acgcgagnag 60
 caaactta agttagggtg catcagaaaa tcggaaccaa tggcagcagc ctactatag 120
 tagcttgctg tatgctaatag agctcgctgt gccaaagaaa ttgcttattg gtgaaatagt 180
 tgtgtctcaa aatatcacia gatgaatgat gcctcaaaaag gtggtcacta ctactagta 240
 gcagggttag tatcatgctg caatacatcc atcgggtg 277

<210> 9210
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9210

agncttggca gatatgcgcg gtcataccag atctttttttt acttctttct tttcctccgc 60
 gggccccagg tttaccaatt cagtttcttc ttggtgagge tttatttcac gttcttctg 120
 agcgaccaac ctcttcaact ctggtgacag gacatcctct tcctcttcct cgtttatcgt 180
 ttggcttata tctcaatcga aatcgattat cacaccctcg ttgttaggat cctcanagaa 240
 tcgaccctca tatttatacc aaacaagaca aaagaaacaa atacatgcta aatgatatga 300
 gaaaagggtgg aaccacaaga acagatgaaa caagatctct ttgtatattt aataacgtag 360
 gtttcacaaa acaaaagaga aaggaaatct atatgctcta attacattga atcagcggta 420
 tagacttctg attggcttat cac 443

<210> 9211
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 9211

acactatgaa actaagcttc ccaagttccc attgaaaacc ttattcaatc tttttatttc 60
 tagtgagaag gataaacgaa aaattagga acttcgaaa actaaattct taattgaagg 120
 cgtaggtgac aaccatagtg aattactaac caagattggt agtttactta aggtcatttc 180
 agataccccc caagcctcgg aaaatacttc gaaaatggtt acaagaagta cctccaaagt 240
 aattaatgtt atttatgaag atagtgacca aaactcagat aacacaactg agataggatc 300
 agtgtcataa aagaatataa atccaattaa ttccaaaca 339

<210> 9212
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9212

agcttctcat atttaagaag tttatntatt ccatttcttt ctcattctta gctgcgtggt 60
 tattctgacg tgatgaattc tataattgtg ggcacacctc ttgaaccata aaagaaatgt 120
 cacatcttat tggctgaatt tcattggatag agctgttgta tcctattcca tgattcttta 180
 atatttctgt tatcatttgt aggccttatag aacatgcatt tgtcgactgc cgctcatcag 240
 cacatgagca tgtttggtat tggatattgg catgcatgtc ggacatatta gtagtagtac 300

aatctaatta ttcaattttg cactttttct

329

<210> 9213
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9213

gagaaaggca tcaaaatttc tcttttatga ttatatattc cnncgtcacg ggctgngatt 60
tatattatta aatntctgta tgctcttaaa cttccacata aattggatga tgcttcactt 120
aatgactnga gttatgtggt tgctatctat caaatacagc tttcttaatt atatatttga 180
actgtatggt gacttttctg ttagttctta tcatcaaatt aaggggaaaa gtgagattga 240
aaagtattac ttctaaattt ccttcacata caacatt 277

<210> 9214
<211> 530
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9214

cgccccgcgt gaatcactgc gacacgcgat cctctgagtc acctgctgca tgcaagcttg 60
atggagtgta cacacccgac tctcctatta tgtttggtggc tgaggggtgaa tctaattgcac 120
gtctgaaaga ccttgcaagt gtcctcacca aactgaattg tgcggggcaa taaatccatc 180
gtatggcgcc gatacgcta aatcccatga atgactttcg gggctgacca ccatgggttc 240
atagacatgg gcatgagcaa caagcggcga aggactttac tcccggtcga ggtcggagca 300
aaccacccc tccacgtgag tgctctcgg agtgagtagt ctaccacct gcacctagcc 360
ttttttgtcg aaagacttgt gcatactcga ctanattata tgcgtcgggc cgcgataaaa 420
cctaactctt tacgtacctt ggcgaagaga agaacataga tggcgtcatg ttttataggg 480
ctgtgacata ccctttttgg acctgtaaca agcattttct cctccttctg 530

<210> 9215
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 9215

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agctnnttatt attaataaac gtattggttt aatgcatcan atagttatta ccatgattta 60
naaattatatt atctaatttt ttcttagctg tctctgggcc caacctagag ctaaaccttg 120
tgacgttttta tcaagatttc aagggaaagg gctggtaaaa aagccagttt aacgagcaag 180
tattataagt aagtttttgt attatcaaac aataaaagct gattnttggt atgaagactt 240
ttaaataaat tatatattat aaaaatcata aatttatcat acataataat ttaaatttag 300
atgacggtga atagtttacc atttattcaa aattaagaag aagaanaatc aatggagacg 360
gaagagaaga atggaatgat ggagaagtgc aatnngaag caaactcctt tacttcacat 420
atatcattta ctnggctcat aacgtatcca aagattttgt gaaaaaaggg aaaaaagaaa 480
c 481

```

<210> 9216
 <211> 501
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9216

```

ctaataaana atcatacttg ggatctagtt cctctgcctn cacacagaan accaattgtc 60
tgtaagtggg tgttttagagt gaaagaaaat gcagatggct caatcaacaa gtacaaagct 120
aggcttgtgg caaaagggtt aaatcaagtt gctggctttg acttttctga gactttctcc 180
cctggggtaa aacctgttac cgtcagactt atttcaacat tggctatcac taatcagtga 240
tcctaacctc atatcttggt ggtcccacaa gcagcaactt gttgctagat cccatacgga 300
ggcagaatat cgtagcttag ctcagatngc tgcagaaatc ttgtggatgc agacattggt 360
gactgaactc aaagttccct tcagcaactc tattgtcttc tgtgataatc aaagtggcag 420
tgccattgcc cacaatccag tccttcatgc aagaacaaaa catatggaac tcgatgtttt 480
ctttgttcgt gagaaaaatt n 501

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<210> 9217
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9217

agctntgata taacatgata tagttcttca cctatacana tatattaaaa tggagtgaaa 60
 catatacttt ntatcttaga gaaataatgg atactaactt attttattca aaaaatttcc 120
 aagtcgaatc taattgattg tgtggatgca tgtcatttgt gaagataatt atatgtaggt 180
 tatttcatat gtgtacaaag aaacttgtgc tttatcttta gggaaaatgg catcaactat 240
 catatgcatg tgaagacaat ttgcatatat tgctcagttg anagatggac aactaaaga 300
 ggatagaaca aaacatatnt cttctaaagt cttctacact cgatctttga aggaatgggtg 360
 atataaacat tcaacaaatt tgttcaagtg agaataaac agatntctnt acaaagtctt 420
 ttgctaagga gaactntnta gtaatcggtg cacaagaatt gaacttcgtg tcttatagac 480
 aatcatctac at 492

<210> 9218
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9218

tatcccaata acactatcaa catagtatga atnctacact atgagaatcc taattactga 60
 tattctaadc atttaacacc ttgaagggca tacatgatat taagtaacaa aagcaagcag 120
 aagcttcttt cccattacca agcaaagtgt ctattctaga cagaacaagg agataaaaata 180
 cacctgttaa tagcaattgt ccatttactg tctataaagt cagttgctgc aagtaatgca 240
 gctggccaag ccaaagcagt taagagtgag ctcaaaacag tcatcattgc ccctcgtttc 300
 atagctccat cgcaagtcct gatgcaagtc acagcaatac taacatcatt cacagcacta 360
 ctaataaact gantacttag ttttataagc acccctaaac ctacaacaat tacttgaagt 420
 aagccaatct tgaattcagt gctcacagaa tcagatcttg actccactga gtgatac 477

<210> 9219
 <211> 520
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9219

nccccggtga tctgctgacc gtgatctcta agcacctgng ctgcagctgt gtcanaaaaa 60
cttatttgat tgaatgtctg taagcgcgcg gcctgctagt gagcctgtga gaaaccaacg 120
tctcactggc tcgcttagcg cagcggtcct ctaagcgaaa gtatcaaaaa actgcttaag 180
tgagtgtaac aacagttaca ctcacacttg ccagatttcg gaaacttcgt ctttgcattc 240
tctctctcaa aaatttgcac attttgcac tgtgctttct ttttgcatta tcaacttcga 300
agcaaaaacc atacaccatc cccagaattc cttgattcct tttctctgtt ttcttggcca 360
nacttcaaga tagaagactt cacttgtagt tntagatttt aggggttaat ggggtttaga 420
ttagttaaga tangactatg acgctgttac tatatgagat gtgccacatt atgttgattg 480
cctttaagct ganaggcaga aacgacttgt tttagnatgn 520

<210> 9220

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9220

ttacccggtg aagatcgaag aacgatgaag aacgaatgaa gaacgtcgaa gaacggttca 60
aacctttgcg agattcctca cggaaaacgt tacggaaacg tttcggaagc gcctcggctt 120
atattttctt cacggaaaca atttttcaag caaattcgaa agagagagaa gtgcctaagg 180
ggctggaccc cttccttctt catttcttcc cctatttata gcaaaatagg ggaggtgggtt 240
gccgcccagc tcgcccaggc gagcagggtt gcttccttca gaagcaaccg ccttctggag 300
gaatcttctg gagggcccaa atgggcctgg gtgctatntg caccncatn tttactaagt 360
acacnccct ctgctgtttt tggttaattct ttttcgtaaa gtacggaaac tta 413

<210> 9221

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9221

agcttccttg agaagctaga gcttagctac acacncatct aanaactaag ctcacctctt 60

agacaaaata catgaaaata aaanaaaagt ccctactaca aagactactc aaaatgccct 120
gaaatacaag gctaanaatct tatactacta gaatgacaaa natacaaggc ccaaaaaaag 180
gaaaaaccta ttctaataatt tacaagaag agtggatcca accttgaccc atgggctgaa 240
aaatctaccc taagggtcat gagaacccta nggccttctt tagtagctct agcccaagcc 300
tcttgagtc ttctatccaa tacccttgng gggtaggatn gcactactag ctagcttcgt 360
cagtgcacct cacctgtgtc gacattggaa ctggcgagac agtgtccatg tcacgggtc 419

<210> 9222
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9222

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ggacagtagc taatttccaa cttatataga gatcatataa ggtactttta agatattcta 120
acatgaataa tcatattctg agatatttcc tagatacttt ggtgtcaacc tagtgaactc 180
ttaaattggt gcaagggtgt tagccagatt gaatatccct cactgggtga tctaaaggng 240
cttcttctag acttagttgc tcaactctaa ggtgctctgt ctogtatcag gtatcccaca 300
tatcagagtt gtattttaat tntatccaac atgataaaaa ttatctaattg attatgaggt 360
taatacattt aatgaataca tcttcatatc aatcagattc attnngtttt gatacatata 420
caacatttnt atgggctcta cgagttatag acataatata nttttgtgac tgatctacat 480
atat 484

<210> 9223
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9223

cctcatcgtc tctggcagtc tttagatttg ggagccaatc caatccttgt gttcggactc 60
tcagccactt atgatagccg tcgatgatcc cattactgct tcccctaagc tctctgtcct 120
ttcttcacgc cgcaccccat gccttgcgaa ctcttgaggag taccctcgcg ttgtgggtcac 180

tgaaaccccg tgcgatgaaa ggcgtgatgc tttcgtctaa tggcgctcct ctcatggggt 240
agccaagctg tcttatggcg agaacgggat tataattaat acaaccctt gttcccatca 300
agggaaacatt tggacatcct tcgcatgaag atagaatctt gattcttcct tccttctagc 360
gagggaaacca attaacagac gcccccccat gctagccaag agttgggtccc aattcgctt 420
tcctttntca acgcacgagc ggtgaccttg tagcggatag acgggcctac cttcttg 478

<210> 9224
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9224

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cactctcac gtttggttnt tgtcaaggga aaaacaccat aactaaacgc gccacaaggc 120
attcctatcg caccagatcc aaatctagaa cgatgggtga tcaagaggag acacaggaac 180
agatgaaagc cgacatgtcg gctctaaaag aacaaatggc ctccatgatg gaggccatgt 240
taagtatgaa gcagctcata tagaagaacg cggccaccgc tgcgctgtc ag 292

<210> 9225
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9225

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actgttcttc cttcccgga tgettctttt catgtccgcc tgagtgggct tatagcctaa 120
accatacttc ccacgattcc cttgggtttt tatcagacta gttatgccac cattgtcttt 180
gcctaaaccc atcccgggtt cataaccgtt cccaacata actcgggcca tcattaccgc 240
cgcacggac agacaaggtt gccacagag ggagtccacg gaggaatgc tgaccacctc 300
anaagactgg aaagcggttt ctaacgattc ttctgaggct tccacataag gcatggagga 360
tgggcagctt accaagaata tcttctcgcc tgacacgaat gaccaagtgc ccctcactac 420
gaatntcagc tnttgggtga gtgtagaagg cacaactccc actgagtga tc 472

<210> 9226
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9226

acactcgtcc ggatccttaa gcacctgcgg ctgcagcttg gaaagatngt ntcaccttct 60
 cgctaagcca atcttctggc ttagtgagca tccnctaagc gcaacactac tgggctaagc 120
 atgaggaaga atctagaaga agatgagttg tacaggtttg ctaagtgcaa cgcttcagtt 180
 catccgctaa gggagaaagg caccgctaagc caaaaatcac taacatgcgc taagcgggcc 240
 atacatgcac taagcgcacg agcacgaaca aggccaccta tttaagcatg aaatcagaat 300
 ttgtgaagag agtttggact angattcaga gttttgcatg tctagggttt ctagagagag 360
 aaaggtccaa gttctagaga gttttgacag aatctgctgt gtgaagatct a 411

<210> 9227
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9227

tctaaactnt atacaagaat gaagctcaga taccacttgt tggacaagtg gcctcagata 60
 tcttaagaag gggggggggt tgaattaaga tatcaciaac tattccccag ttaaaaattc 120
 tacttttaat ttaaccaaac taccgaagat tcctttttaa caagaactcc ttgataataa 180
 tgcaaattta tcttactaaa taaaaataat aagcaataaa tagtaaagga gtttaaggga 240
 agagaaaatg caaactcaga tttatactgg tttgaccaca cctttgtgcc tacgtccagt 300
 ccccaagcaa cccgcttaag agttccacta tcttgcaaaa tccctttaca agatctgaac 360
 cacaccagga caacccttcc tttgtgttca gaattcttta caacaagaga accttggtct 420
 cttaatc 427

<210> 9228
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 9228

ctgagcagat tctatcgaca ataactgttt acttggatgt tcgatatagt cacgtaatat 60
atcgagtcgc tcgacataga atacacaagc tgtgagataa ttctgacgac aataactatc 120
tactcggatg tacgattgag tcacgtaata tatcgagacg cccgaaattc aatacagaaa 180
ctctgagcaa attctaacga caataatctt ttacttggat gtccaattga atcacagaat 240
atgtcgagac actcgccatt gagtacacaa gctctgagga gattcagata taaataccct 300
ttgactcgga tattcgattg agtgccgtaa tgtatcgata cattcgaaat agaatacaga 360
tgctgtgagc aaattctaata agaaataact ttatactcgg atgtgcgatt gagt 414

<210> 9229

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9229

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ttttgttata tatataccgg ttacgttata ataattgttt taggcatgag ggaactatag 120
ttagatatct cacagtaact aaaaaagtgg ttaatatact tctcataaaa cttaagcaaa 180
tgatccttcc ttgaagtagc tnttggaag gaattagggt ttggttcattt ctaaagatat 240
atatatatat atatcatang taaaatttat tacgctctga aaaaaaatgg catggtgttc 300
tatactactt tttttttgaa cttcagccat tacaaaaanaa cgtcatttga atatgttaca 360
tggttcgat atgaatcaac tcatcatgag tactacattn tactattatc actttatgaa 420
gtcagtattt tatccccatt tta 443

<210> 9230

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9230

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atgtggcatg acaaagttaa cttttttttc caaataaatt tgagcaagga agacagcttt 120

actttgatct aatgaatttc aacacatgat tagtttaaga ttactataat ctcattagtt 180
 ggtgttgata atgattgctg ctttagtacg gagttgatca aggaatttca gacagtgaag 240
 attacatttt ttttttgaag gagtgttgaa acctgtttct ctgcttttgg aatcctatac 300
 tgaacttttg tctttatctt ttgctgtttg gaatgttagt gaagaacatt agatattggt 360
 ttaataattg gcatctgtta tgcatactg aggagaatat ctttaagaca ctagaattta 420
 catggtctct cacttggtta gt 442

<210> 9231
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9231

agctngctga tctggagagn ttgttcgtc aggtatgatg taatcacttc ggggagctaa 60
 atntaattag aaattctaaa tctcgtaca agtttttctt actagtcctt ctactgatta 120
 aatgaataaa atattgagtt tttttaaaga tattttaatgt actttttcat ttattacttg 180
 agaatgaatt ctctcatgag gaaacttagt aagttaaata attattcact agttntaatt 240
 aaccacgctc catctattta tacttatgaa gagagagata caanaattca acctatgtga 300
 aattttgaca tgagaggatc tattcctcat tntctttaca tgggggtatag gaaagctaac 360
 acggatagn ngntatctta ctcataatat attatttgaa acccttgggt gtgcttaata 420
 cttggncgaa taaaatg 437

<210> 9232
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9232

gcttttccac caccgcacgc gtaacagcac caacactttt tctataagta actcatatta 60
 tcaacgttaa gagttcatta tttcatgtat gcatggctaa tatgaagaat cttccgctat 120
 tatacataat aataataata caaaataaat atacattcta taataaaata atttaaataa 180
 ctctagaag tatttaccba ccaagacacg aaaatgaact ccagcaggct caacagggaa 240

gttcaaaata ttntagcacc aacgatttcg ctataagctc tggcgaaaca aggaacaagg 300
 aggaagaagg caatatttta acaccaagc atcacgaaaa tggcgcgtta aataagcaca 360
 cac 363

<210> 9233
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9233

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 gactttngaa ataatcttca gaaacaagtc acttgaagaa ttgtgacttt tggaaatagt 120
 attttcgaaa tcagtcactg gtaatcgatt accattgagg tgtaattgat tacacatcaa 180
 catatgtgac tcttcattnt gaattttgaa aatcttaaag tttaaaacac tagtaatcga 240
 ttacagcttt tgtaatcagn tngaaaaaca atgcaagcta ctagtaatcg attactacct 300
 tctggtaatc gattaccaga gagtaaaact ctttggtaaa agatttgtga aacttcatgt 360
 gaactcaatg gtttgaaaac ttttttagtac ttatcttnga tgagtcttct 410

<210> 9234
 <211> 225
 <212> DNA
 <213> Glycine max
 <400> 9234

tatgctgtac acatgtatta taaacctcct cagccgcgaa acctacagca atagaataat 60
 catgaccttt aaagcacttg atactatcct agttggagga atcatcctaa tatcagatgg 120
 gctattcctt cacaaacaca acagtatata tctccttttc tgaatgctgc tgggccacgc 180
 aagccatata gttcttcttc aatgcagcaa ttgcaggaac aacaa 225

<210> 9235
 <211> 199
 <212> DNA
 <213> Glycine max
 <400> 9235

gcaagcaatt aatggggcaa aacacaccta atgattatga ttatggatgg ctcaaaatct 60

cacaaatgta aacctatcac tttctaattg agccttcaca attatcatga catgtagagg 120
 aaaaacaagg attgtaaatt acaaaatgtc aacagatttt tatcttctga acgagtacca 180
 atcccttgaa catatccta 199

<210> 9236
 <211> 268
 <212> DNA
 <213> Glycine max

<400> 9236

atatgtcata tagtgttgat aaaaatgttc aaataagtca ccagaatttt gaattgcatc 60
 aaataataaa ataaaatttc aaataactta atgcaaacc aactgagaag ataagaacgg 120
 tagtagcttt taagctagtt catttctcat gagctatata aaataagctt gtgaaataat 180
 aacttaatat tgtcaaagta acttataaag tgatcaaag agcttatagt ggtgggttgtt 240
 tcgcccataa tattaacata attattta 268

<210> 9237
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9237

agctcgcgcc gagaaggaat gcacggagga natgcttacc acctcgaaag actggaaaac 60
 ggtttctaata gactcctctg cggcctccac atacggcata gaggatgggc agctcaccaa 120
 gatgtcttcc tcgcctgata cgatgaccag atgcccttcc actatgaatt tcaacttttg 180
 gtggagtgtg gagggaaaca ctcccactga gtggatccac ggacgcccc aacagacagct 240
 gttagggggga ttaatgtcca ttatatggaa ggtaactnng catgtgtgag ggcctatctg 300
 tactnggaga tctatctctc ccctaacctc tcggcgggtg ccgtcgaagg cacgaaccac 360
 catngaactc ggctttaagt gggacgcatt gaatggtaat ttctccaaag tgctcttacg 420
 catcacgtnt aaactgggaa cattatcgat aacactntgg ctatgatatg gtccatacac 480
 ttgactga 488

<210> 9238

<211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9238

gtactattat tttgtataca cagtttctac attaggaagc cttgaaaata agctgaataa 60
 ttatgataag taggccatta tgtcacaact aagccttcta atctgtcttt ctgaacaagg 120
 tgctatttgt ataaatgtct ggcttggttg tcacgtttag cttatgcatg tacttataca 180
 ccaatttcta gagattctgc gaaaccatga ataataacta tgactgcata gctatgccat 240
 gtaaatttac aatgtagttg ttggatttcc tttttaaagt tattagttaa atttatgcat 300
 ctattttgtt tattggaaga tgtgtatgta tgtcaaactg ggttatgata tcatatacat 360
 gatgtgtgga atacatntgt aatttcataa atctctcgtg atttcatctg atatatntgg 420
 gatggaacat actagacttt taatgatgat catttttata tgataag 467

<210> 9239
 <211> 567
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9239

cccttgatca ctgcacnccc gatcctctta gtcacctgac cgctgcaagc ttgtatagtt 60
 ctccaattat ggntatttng gagtaaattt tgtaattaaa tcttgtttat ggggtaacgt 120
 ggctctagaa catctncatt ggatttaatg atgaaatcta tgcattttca ggtgaaaaag 180
 aagcttagtt ttaaaattgc aaaagtagca gttgggctaa gcgtaaatca ccgctaagcg 240
 cagcttcagc gcgcttagcg caaaagagaa tctggcagag catcagcatc aaagctgcgc 300
 actaagcgcg agatcagtgc gctaagcgta gcaggttcct tcagctaggc taagctcgag 360
 actgacacct agcctaattt cactttactc gcgctagcgt ganggtgggc gctagcgtag 420
 cgtcgcgatt tcagagtcta tttaaagtct gtcttgtgca aaantanggt acacctttta 480
 tgccaccttt tangacataa ttccagagca gccacaggcc tatttgngga aaagtgcctt 540
 taagcagana agaggacaac ttgtgat 567

<210> 9240

<211> 281
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9240

cactaacaaa actggacaaa agaaacacat attccaatcc aaattcagtt gaaataacaa 60
gaacaaaaaa tagaaagaaa taaaaaatat ataaatacga accaaaaatg aggataaaag 120
gattggcata tccagcatca ccatgaacaa aaaatcgacc acctcgtcac caccaccaca 180
aatatcgcac cttcgccatc tcagaattnc aaagtcgttt cttaccccaa acctgtcttc 240
aactccgatg attccatctt cgacttcttt agaaatgtca t 281

<210> 9241
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9241

ctataaaaga ggaagaagag aaggagaata gacaccaaatt attccagaga atacaattcc 60
ttatagaagg taaaactaga agcaggaaaa tcaatcatta ggaagtattc cttcccttca 120
ttccctttct tacttacctt cttcaactact cattaccctc ttgcaatggg aaagcatttc 180
atgacaatga gatgctaaaa cctctcttgg ttggagctta caaccaattg cttttgatga 240
attactcttc tatctagtaa tgtatttaatt ttcattggctt tttttcgtgc taatttaatg 300
atggngggttg atcaccatat tatggaagtt taggggtgca tgagaatgtt atcttaaaag 360
actaaaaang gatataatca tcattataga tatatgattt attagctata tacatgctat 420
tcta 424

<210> 9242
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9242

atgcatgcta agctataagc tctacaactg aataacactt ggactcttac cattcttcct 60
cctcacaaaa ctgccattgg gtggctcgtgg gtatataaaa tcaaataaat aaatgatggg 120

tctatagaaa gatacaaggc acatttagtc acgaaaggat acacttaaac agagggggttt 180
 ggattatctc gataccttct cgccagttgc aaacctcacc accattcatc tnccttttcta 240
 gctntgggttg ctttccatca atggcatctg cgacaactcg atgtgaataa cgccttcctt 300
 cacggtgagc ttaatgaaga gggttacatg catgtntctct ctggacttct agtcacaagc 360
 ccgaaccacg gttggtcgct tcaacgatct ctatat 396

<210> 9243
 <211> 529
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9243

cgctgtcctt cgacntgtga tctcgagtna actgccgcat gcangctnnt atanaagaga 60
 tgaccagag ggtcacggtg aactatctct tcaatggtag ggagggaaaa aaatcaaagg 120
 agctgaattg gagcacgttg aagaatactg gaccacacgc ctgggcttaa cgcattgctgt 180
 gtgacttaac acacaccttt agcgtgaatt tacgaaaatt cctaattttt ggttatttga 240
 gtaatgggct tgagcctgat gtgaatagac cttatggtta cttgttgaca agtgtccaat 300
 tcattttaag tagtaaaaga cctggaagtc cgagtgtaaa ttcaagggaac tttgggttgac 360
 ttaagtgatg caacctcatt ttaagcatga gagaagtaaa agataagact ggagtgtgaa 420
 attgggtcta gaaaagaaga ataaagataa taacatgggt aatgcgaaga gaatcagatg 480
 tgatatatgg actacatgca aactctatat gcatgtatga ttcttatat 529

<210> 9244
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9244

tgaagcttaa ggaaaagctt gaagaagtnn tggctttcac atgcttaact cccttgaatg 60
 gcatttgtat tgggtgttat cttgggtgtt gcaccttagt atatttgata tttgttttgt 120
 attgtgcatc atcatagtat gtgtggagac aattttctaa gttagacaaa tttctttaga 180
 ggcaaaaaca ctctatttta atcgattaca acctcattgt aatagattac aacaagttgt 240

ctgaagcttg tagagttaag tcccatatcg gtttaatcga ttacggcaat attttaatcg 300
 attacaccgc tgtttgagat aatgactgat ttattcaagg gtctccgctc taatcgggta 360
 caaagtggat taatcaatta tttctctctt gtttaagtgt tcagaggtga acaagaacac 420
 tntaatcaat tacttaagtc atctaatacga ttacattggt cttgagtttg tttcaaatgt 480
 tggataacac 490

<210> 9245
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9245

agcttctttg gcatcatggt gatccgaaag aaccttacgg atcaacttga tccgtanaat 60
 gtatgaacaa cgtttacgga tcaagttgat ccgtaacatt cacgttcaat cttatttttt 120
 taaaaatgct aaatattaca aaaatatcaa agttaagtat actctaagaa gaccaacttc 180
 aagctcttag gcgtgagttt acaaaagctc anaactatat aaaaatctta aattgtcttt 240
 caaggcatgg agcaaaaaac catgatataa accttactta agagatggag tctactacta 300
 ctctaaccaa taatattttg tttcaagata ggatagttaa gtgtgcattt gtttgaaagg 360
 aaagaaacaa tgtacaaggg aaagtttgta ctttgttttg tcggatgcac atctctctac 420
 ttttaattcaa aagaatatct tctatttc 448

<210> 9246
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9246

agagcttatt gaccatattt tattccttta ttttcacgtg acgacctaca ataatggctg 60
 gtatattctt ccttttgaaa cagcaaaata gtttagagat tatgagcggg nagaaagaaa 120
 tgactccgaa tagagtgtg aactggccat tcaggactct atagtgagga ttttccttct 180
 aaacctaatt attgtgaaaa gagaaagaaa tgaaaaaaaa aagaaaaaaaa aattaccatg 240
 gtttttggtta ttttaaatcat tactattaaa ccagtcatta ttttggggac gccacaacgt 300

<210> 9249
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9249

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agctntctga aatntctgaa tgaagagaga gatattggct ntntaanana aattattttc 60
ttttcctatt nttttttctc ataaagcact ctccacttgt cccattttta gtggagcaat 120
aagggcccac cttnttcct tgatttgact tcatactcag ccacaaagga gaaaaaaaaa 180
ctgaccttnt ggatgttgta atcctgtctc ggtttgcacg ccgcctctct ggttccaatt 240
cctcgcgttt ctatgcaccc gttggggccc gttttcgaaa gttggcaata tatatatcan 300
aacgctcaga atgagaccct gagcgtgggt cagagggtgg tttcnngtaa atttaagttc 360
cacgccaaat ggataatttt agactaattc attggcgaat aatctataac tgggccagta 420
tgggatactc ttcgttaata gtctaaccgc cgtatctttc ccccatgtac atact 475
```

<210> 9250
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9250

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ggccaccacg cttgccacg cgagctaggt tgcttctcc agaatgcacc gccttttgga 60
ggaacttcct ggaaggccca agtgggcttg gttgctattt gcacccctg tttactaaat 120
acaccacccc gccttttttt gctgattctt tttccgtaac gttacggaac tttacgaatt 180
ccgtaacgat acttgttttc tttccgtaat gttacagaac cttacggatt acgtaatcat 240
cccttttttg gctttcagaa tgttacggaa cctcacggat tntgcaacaa tacttccttt 300
tgatttccgg catgttacga atcttcacgg attgtgcaac aatgctttct tttgacttcc 360
ggcacgtcac gaaacttcac gaattgccta acgat 395
```

<210> 9251
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9251

agctntagaa gaccgtggaa ttagccattg gtgtgtggcc tgtgatcttc tgtggactag 60
ttngacccct ttgcttgaca ccatgtggcc caagtactcc acctgngttt gggcgaagga 120
acatttcgag agcttaatga agaactggcc ctgcaacaaa accttgaaag ccaattccaa 180
atgaagtaaa tggtcattga aggagctact ataaattagt atgtcgtgat gtggacatca 240
aagcccaagc ccatgacaac caccagcccc aggcccatga ctagatggaa gccaagacc 300
caatacaagg cataggaaga cccatgacaa gagcaagagc taaaaaggca caagatgctt 360
tgacatatg gtgatattct gagggtagtc aaatgcangg agaggccaac acttgagat 419

<210> 9252

<211> 390

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9252

ggagggagaa ctggatgcct tggccaacct agtaactcag cttgccatga atcagaaatc 60
tgcatctgca cctgttgcaa gagtttgtgg tctatgttct atagcggatc accctgtgga 120
gcgggagcat ctttaatgaa ataactctga gncaangagc aacctgaagc ttatgctgca 180
aacatttata atagaccccc tcagcagcaa aaccaacaac aacaaatata atctagggtg 240
gaggaatcat ccaaatgtga gatgggcaag tectctacaa caacaatagc ctgtccctta 300
tttccaaaat gttgctggtc caagcaagcc atatgttctt cctcaatgc atcagtagta 360
gtaacaacaa caacaaagac aacaagcaac 390

<210> 9253

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9253

agctntaagt ttctgcacac ataggagaac agtacacatt gaattggcat gttatcagca 60
aataaaatcc aataaatcta taattaggtc aattaanaat gtccctttat gcatagaccc 120
acccaaaagc atgggtaatt actaggtgaa agctcatgaa tgcataagacc taccacctac 180

tttatgctaa aattcaatag ttaatcataa gagggtaaca aaaagataag catcccaact 240
 taactntgat atcatgcaaa aaaaccaaca tttcaattat atgttaagct accagacaac 300
 agataaatta aaaaaataaa aagtaaaaaa gagctacttt taagtttcta cacacagtag 360
 aacagtacaa ataaaatagg catgctatcg gccaatgaaa tgcaatanat cttttaatca 420
 agtcaattaa aat 433

<210> 9254
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9254

tccatcaagt ggtaatcaga gcacaagagc ttcaagtagg tgctccttaa acctccattg 60
 ngtttttgct ttacettctc ttccattggt gtttcttcat ttttctccat gtatctcctc 120
 acatgtcttg tgctaaatgt tggttaacatg attctttaga gtttccacca attaaacttg 180
 ctatggaagc tatatttgat tttctatggt tcaaatttat tgttcttggt cttgaaccat 240
 gaattgtggt gagtttaagt tcctttgagt tttgtcttgt tattttttgt ggctgaatcc 300
 taaaccataa aattcttaca aaaatattaa agtagaagaa aacctcacia atctagagtg 360
 acttggtcac ctattgtagt tntgtcatag aagtcatgct tagtcatgaa acttgtcaca 420
 taagatttct ta 432

<210> 9255
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9255

agcttatcat tacacagtag caagtagctc aaatcatttc actttatatg attaggcact 60
 ttcaacaaga taggtaattn tggtttacat gcacctttac cattgcctat gttaatagga 120
 ttacgaaaag catggcatgc atctcaacca gatgtttaaa attaattaat gataaccgta 180
 taacaagaag cagaatcttg gcaatgaaat cagccgcagc aaagaaaagg aaaaccaatc 240
 agatcccaca aatagttaag ctggtacaac agaattcatt cgacttcata aattaaaaac 300

tatcgcaacc atttacatca caatacct 328

<210> 9256
<211> 371
<212> DNA
<213> Glycine max

<400> 9256

gtctgcgccg ggttaaagtc ctacaacgat actcttcaaa tattaagagc cttgtgcagc 60
tgaagaagct taacctactg gggttaaaga ctcattgattg tcacatgttg atgcaacaat 120
tgtagccgt ggtcatacga gacatattgc ctaacaaagt caggtagcc ataactcgcc 180
tgtgcttttt cttcaatgcc atgtgttagca cagtccttga tctgtcaag tttgatgacc 240
tggaatacaa ggctacaatt atactgtgcc agctggagat gtattttcct cctgctttct 300
ttgacatcat ggtccactta attgtttaac tggtcagaga atcaaatgtt gtggtcctcg 360
ttatctgtgc t 371

<210> 9257
<211> 219
<212> DNA
<213> Glycine max

<400> 9257

cccccccccc ccccccccccc cgcgcccccc ccccccccccc cccggggccc cccggggcgc 60
cccgggcgcc cacataattt cgggcgcgcc cgcgcccccc cccgcccccc ccccccccccc 120
ccccgcgcc ccccccccccc ccccccccccc ccccccccccc cccccccgc gccccccgc 180
cccccccccc cgcccccgc ccccccccccc ccccccccccc 219

<210> 9258
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9258

tactaatggt ctcccttatg ggacagntga gatcaaaagc gactccacaa accagagctt 60
caagggtcaat ggacaccgac ttaacccttt actcacaac cttcttttag tggacgtaat 120
ggtggaagag acttccttac tccaccctac tcttccteta ccatgactta ngcgagtttt 180

ctttcccatc tccttcttta cttttattac attattccca ttctatttga tgatttaatc 240
gcttttaatc ttctaategt gccacattga cgacaatgtg ctgtttaagt atgacggggg 300
ggggaccta tccgac 316

<210> 9259
<211> 499
<212> DNA
<213> Glycine max

<400> 9259
agcttcgatt ggtgaaaggt atgttgctga agaattctctt aagtattgct cgagttacat 60
tgaagctgct aaatctgtcg gggtagctaa acctcgctcat gtggcgacac tagggggcaa 120
gggtacacaa ggctacaatg ttgtgacaat gactcgccac gagatctcac aagcacatct 180
atatatattg aataatgcag cagagggtcat tccatacata gatgcccaca aaaaagaagt 240
caccgcactt aacccaaaat tcaacatgat gagggttttg caagagcaca acagaacttt 300
catgaagtgg tttagacaca caatatttgc tgatgaggct acttcgaaaa cattacgaaa 360
tgtagctctt gggccaaatc taaatgtttc gacgtggcaa gggtagcaca tcaacaatta 420
ttccttctat actaagtccc aagatgagaa aagctcgatg caaaatagtg gggcgactgt 480
tgatgctgat tcggatcac 499

<210> 9260
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9260

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tcaatggctg tcttgcttaa aggaggaaat agtcttatgg gtttttgtgt ttgggtaacc 120
acctatcggt gttaattntt tgtaattggg gatggcagat tctgccttgt ataatatggt 180
ttttcagtag atctagtact gaccctatt aatactatca gatttttgct gtgcaaaaaa 240
aaaaaagagt taagtacaat tacactatat tcataatcaa gtttcagttt tcacagtatt 300
gaagcttttg aaaaaatatt gaaataattt tctcaattca caacaaaatt ttattcacca 360

taacgacaat cttatntttt ntattcttcc atttataaat tgtttttcat ctattatttg 420
 aaatacggta agctcacaat atgaacctga caccaagata ttgtgacca atttgtgtat 480
 agaatcagtg tatata 496

<210> 9261
 <211> 212
 <212> DNA
 <213> Glycine max

<400> 9261

ttcatggtag ctaagccgaa ttccttacgg caatgtgagc gctaagcgag tccttatcag 60
 ctaagcgcat gctcctctgt acttaagatg catcatttta gctaagccag ccattgcctt 120
 gcttagcgag agttgcaact tttcggatct acaaacctcg ctaggcagtc ttatcctagc 180
 gctaagccaa gcatgtgtgt taaaaaaact ga 212

<210> 9262
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9262

ccctcttttt cctcttctct ttcaccaata ttaagtagaa taggcttact caaagtttta 60
 ggaatttttac ggaagcatta cgagagcctc gaaagctgcg gaacatttta ttttttttat 120
 gnggaggagc tttataagtt caccccctcc cctttgctaa atgcactcct ttntattttc 180
 acaccctgt ttactaaata cactcccctt ttgctttttt ttttttgctg attctttttc 240
 cgtaacggta cggaactcta cggattacgt aatgatactt gttttctttt cgtaatgtcg 300
 cgaaacttta cggattacgc aaccatcccc tctttgactt ctggaatggt acagaactnt 360
 atggattgcg caataatgct ctctttcggc tncgacatgt tgcagaactt cacggattgg 420
 ctaacgatgg 430

<210> 9263
 <211> 491
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9263

atcctctaag cacctgcggc tgcagctgct ttacatgatt ctgtttgaac tgccctgctta 60
ttgaacaagc ctttaccaaa tgaacaagtt ccttgagttc gatactccat tcacaccgtt 120
ttaattatit acttgacgac tcagtgcact tgctggtaga ttntgcatcc acacaaacaa 180
gtagtatccc ggagagcgaa acaagtattn tggcgccgtt gccgaggaac tttntccatt 240
ttggaaagtt agttcagttt gaaggcatta attcattatt ctttggatta ttaattnttg 300
gtnttggtag tattttttga gttcagaatt tattttcttc ttcgaatggn taactactgg 360
ctctattagt gtttgcacgc gtagatcttc tgcaggtgaa ttgggttcatt ggattagaaa 420
ttgaagaacc ttcagaagaa caacacagag agaaaaagaa aagctttgac gatagaacag 480
tagcatcaat c 491

<210> 9264

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9264

acatgagtta catgaatgcc gtaaaatgat tgggtagaat tagtctaatt ggtgggttaaa 60
attgctacac catgatgaac acattgcacc tagattgggtg tagagtgtta atttctttca 120
aaataatatg cactgagttg tgatttggtt tattagttgc atgataacac atgcaattag 180
caaaaagaaa aaaaaaacc caagttgatt gacttcttgc ttgcttanga taactgacat 240
aatggttgcg tatttcatgt aaactaactt tttatggatg cgtcattgca ggcaatggct 300
ccaaagaagc ttctactaa aagggcaagg aaggatgccg caagggaggg atccaaaaga 360
acccacaag cagaaa 376

<210> 9265

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9265

agctntgctg atttagttnt caccgacgaa aggatcatag tatgtgtgaa aagaggcata 60

tctagattca cccaacgtct ctttagccac ttttaataatc tcttatctac caaattgtga 240
catccgcgtg aaaagttatg accatgcgaa tttctcgagt acttccattg tgcaatatcg 300
agcctctcga tatattacgt cccacattct gacatccgtg tgaaaagata tgaccattcg 360
aatttctcta gagcttccgc tgttcagttt cgagc 395

<210> 9268
<211> 379
<212> DNA
<213> Glycine max

<400> 9268

tgcacaacgg aagcactcga gaaattcgaa tggtcataac ttttcactcg gatgtccgat 60
tcgcgggcat aactcatcta gatgctcgaa attgaacatc ggaagctctc gagaaattcg 120
aatggtcata acttttcaca cggatgtccg aatttaggac ataatatatc gagacactcg 180
aaattgcaca acggaagcac tcgagaaatt tgaatggtea taacttttca cacggatgtc 240
cgaatttggg acataatata tcgagacgct tgaaattgcg ctaccgaagc actcgagaaa 300
ttcgaatgat cataactttt cacacggatg tctgatttgc ggacataact catctagacg 360
ctcgaaattg aacaacgga 379

<210> 9269
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9269

agctngaact gtgaacaaaag cacagcctac cagtatggtg aaaaagaaat tgaatttcaa 60
tttaattatg aagactgaca attgtaaaga attgagcccc taaacaattg tccatagagg 120
cagcaagcaa ggatcaactc tcttaaaaac ttaaacaatct aggcctagtg cagaacctaa 180
gcattgagcc atggccttga aaaccatcaa attatatggc taaaacaact acaatgagct 240
aaagtttggg caaataggac aaattatatt gctttccctt ctttaacatg tatatattaa 300
tgtatntttt tcatatattc tagcatgcaa aatcttgtaa agatatgctt gatgaaaatg 360
aaaaaaccat aatacataaa cgaagttctt gagtagctta aatgtctatt cttgatacta 420
gtgtcaatgg atcctattct attcaactta caact 455

<210> 9270
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9270

tggcattgga atggcgaaag cccactcca tcattaggat tagtacctga catctcanac 60
 aaacaaatca aacgtaacaa gacaattata gttgctgttt gaatacctca cccactcaag 120
 tgtatcacac aattatggct tttctctaata gaaacactct tgcccttttac cactctaatt 180
 ccccttgagt tcttaggtaa ttcaagagat tatggccaca acaaagaaca attcaccaat 240
 atgtgtaagg taaggctaga gagacaagga accaagaaaa atgctaacaa tgtttttagg 300
 cacaaatgaa ggaaataaaa ttcagaattt aggaattcaa gtaacaatcc ttcattgcaac 360
 caatatatta ccttatagag attntttttt aaaagttctt caagcatgaa ccattcagcc 420
 caattntatt tttttntttt a 441

<210> 9271
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 9271

agcttgagca aattcaaacg acaataactg ttaactcgga tgtccaaatg aaacccgtaa 60
 tatatcgaga cgctcgaaat tgataataga agctcatagc atatgcaaac cacaataact 120
 tcttactccg atatccgact gagtcccgaa ttatatcgag acgcttgaga ttgaaaacag 180
 aagctctgag caaattcaaa cgacaataac tttaactcg gatgtccgat tgagtcccat 240
 aatatatcga gacgctcgta attgataacg aaagctcggt ggaaagtcaa aagacaataa 300
 atttta 306

<210> 9272
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9272

acgacaatta ctttntactc ggatgtctga atgaatcccg taatatatcg agacgctcga 60
aattgaaaac agaagctcat agcaattgca gacgacaata actgtgagcg gcggaagata 120
ataaatatatt cgcgnanaca ccgagacgct cgaaattgaa tacaaaagct ctgagcaaat 180
tccaacgaca ataactttta actcggatgt ccaaataaaa cccgtaatat atcgagatgc 240
tcgaaattga aaacagaacc tcgtagcaat tgcaaaccac aataactttt aactcggatg 300
tacgattaag tcccgtaata tatcgagacg ctcgaaattg aaaacaaaag ctctgagcaa 360
attcaaacga caattacttt ttactcgg 388

<210> 9273
<211> 428
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9273

agctagaaga ggatgctnta atggaggana agatagagag aaggagcttc aagttaggat 60
gctntaatgg aactttgaag tgtgtctcat aagactttta tttatcaaag ctacaacaag 120
tgttacacat gcttctatatt atagactagg tagcttcctt aagaaaactt ccttgagatg 180
cttctttgag aaaacttcct tgagaagcta gagcttagct acacacaccc ctctaaaagc 240
taagctcacc tccttgaaaa gcttccttga gaagctagag cttagctaca cacacttctt 300
taataactaa gctcacctnc ttgagatgag cagctagagc ttacctacat acccccaata 360
atagctaagc tcaccncat gacaaaatac atganaatac aaanagtcc ctactacaaa 420
gactactc 428

<210> 9274
<211> 415
<212> DNA
<213> Glycine max
<400> 9274

tgccaccag ctcgcccaag cgagcagggg tgcttctctc agaagcaaca accttctgga 60
ggaatcttct ggagggccca agtaggcctg gttgctatct gcaccccat ttttactaag 120
tacacccct accttttttt tgggtgattct ttttctgtaa agttacggaa acttacgaat 180

ttcgtaacga tacttgtttt ctttccgtaa tgttacggaa ccttgcggaat tacataatca 240
 tccccctttt tgacttacgg aatgttacag aacctcacta attgtgcaac gatgcttcca 300
 tttgatttcc ggtgtgtcac ggaaccttac ggattgtgta tcaatatttt cttttgattt 360
 ccggcatgtc ccggaacttc acaaatggcc taatgatggg tgccaagcac ctcac 415

<210> 9275
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9275

agaagataaa atctctgatt cattccttga aagtggttgt ctaaactctt tattnttaaa 60
 gaacaacacc tcatctcana gagttcatca tttccaagcc aaatacacat ttataactttt 120
 aaatatattt tttttattcc ttaaccagta tccttatgaa caaggaggat gaggcanaag 180
 agtgaggggtt gaaagaaatc caagcatgtc atgccagctc ctgttcctca ttggatcctc 240
 tttgtccatt tcgactgtcg gctntgtcac tagcacggaa ttctatcatt ctgtataact 300
 gccagaattt ntggtttgtt ttgttntgat ggcananata aaataactttt attaatacgc 360
 aatagaaata tagcag 376

<210> 9276
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9276

ntctcatatt acttctccac aagctacatt ttaacctatg cataaactag ttntagttta 60
 tgaactagtt ntagtttatg gagaagctta tttcattttt tcttttattt tcttctctca 120
 taagtattta tggagagatt tatccaaaca aaaataccat gaagaacata aaattagtca 180
 gcttaacctc aaaagtacaa agaaggttaa gtcaattcat aaactatcat tatgttgtaa 240
 cacttacaat ttgtgtacaa agaaggttaa gtcaattcat aaactacagc agttaaatca 300
 tctccccgt atatatgttt gactntgaat gccacattcc ggtccatgca atgagtgagc 360
 ctctttgtga tggttgagtt tattcccagc caatggcatg aagctcgatc aggttggtaa 420

tttgactaca gcatccattc actagcaatg gcaactcgct gacactaata tattcttgc 480
 atatgactt 489

<210> 9277
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9277

agctatgagc catactattc caaactaaaa cttctgtacc aaatcgacga aaggtgttgg 60
 aacttggata catactgatg cttttggtat tgcaaaaaaa tggaacatct tagaatgtgg 120
 attttggctc aactcaaccc caaaagctat ctcttatggg gagaggtgcc ctccacttat 180
 atactctatc ttggtactat cgctagtcaa tgaaggactt ggattgtttt caatacaccc 240
 cctcacgtcc aagcactttt gagcttggcg tgtggataac atgggtgggtg accctttgaa 300
 tggatctagg ataggctcta ataccatctt agaatgtggg tttaggccta actcaaccgc 360
 aacagctaac tcatanggtg agggtttccct ccacttatat actctatctt ccactatctc 420
 t 421

<210> 9278
 <211> 398
 <212> DNA
 <213> Glycine max
 <400> 9278

tttaaataata tgattataat ttattaaaaa atattatctt cattattata tgctctatgt 60
 caaatcttca atcattctaa agaataataa attatttttt taagggttta ttttccaatt 120
 cccacacatg aatgtatcta tcaaatatta aattagtaaa aaaaatattt caaataaatg 180
 atgagaaaat taagtactcc aatatacaaa ctttaaaatt aattaactcc tttaaattaa 240
 tgagctaaag ttaagttttt ttttttcttc cacaattgag gctaaactct aaattcttaa 300
 cacaactaca ctccacaata tcaataaatg tgttttaaaa aagatcataa acatcaatat 360
 tcaaaaatata tagggataat ctctcatgca tcttaatt 398

<210> 9279
 <211> 464

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9279

gcttgtacac ataactcggg ttggttgata ttataatta cactagccta tatgactcan 60
 acaacaaaga cactaaaagt agagaattac ataccctgca gaagagcaag aatattaata 120
 attacactag ccactgtgaa aatttcatgg caactaattt agtaactact taaagcagaa 180
 gagcaagaat attaataatc ttacctcaat gccccctcca agaccttcaa atacattttt 240
 cagatttcta gatgcatccc agacttgaac aattccatgg aagcacctg atgcaagaaa 300
 ctgtccatca tagttaaaat ctaaacttga tacacaatct ttatgaccta cacaaaatca 360
 atgacaaaact cagcatggaa attcaatcaa ttgagagtaa catgacatta ccaatcatga 420
 tgtcgaacct atcctaatta gaaaaataca catccagtag tagc 464

<210> 9280
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9280

ctaagcttga ctaccaaca tggcgagttc aacatgcttt caacaaattt cttcacattt 60
 aactatcatg aagcagaaac ctagcaaaac taccatcat atctcccaa acccataacc 120
 cacgaacatc aagagagaaa gaagtctacc caaacctgaa atttcgaggt cccacacgta 180
 gagatgcgct tcacgactct gaaaatgcct tccttttgcg atttgagca gaagtgggca 240
 ccaaagggtg gagctttaat ggagtttcaa tggaggatga agaagaaaga aaatggcaac 300
 gtgagagaga gaaaaagagc tgtctaaaat tatggggctg agtgaagaga gagagagtgt 360
 tgctttctgg tttaaaaagg ctntttctct cttctattan tttaatttaa gctatgccac 420
 atggtctcat ttgagtga 439

<210> 9281
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 9281

agcttggcaa catagttgac acggaagggg tatctnctct atatagaagc ataatatcat 60

ctgcaaaagt caaatgagat agctgaatac atgcacaatt gggatgaaat ttaaaattgg 120

catcatcctt aagactgctc atatctctgg aaaagtactc caaacaagc acaaacagat 180

aagggaagag aggatccctt tgtctaagac cccgctaccc cttgaagtgg ccataaatgg 240

atccattgac tgtgacacta aaggaaaaag ggtcaacaaa aatacaccaa tgaaaacata 300

tttttgtggt gtaagtatat aatagaatca tgttttttgt ttgttaaag atagcgaaaa 360

agttatcgac ggaaacaaaa tttatntcat atatatacaa acatgtacaa cgagtgaat 420

g 421

<210> 9282

<211> 353

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9282

caggatcata ctccagcatt gggttttaca ccctattgag agaagaataa cagcactggt 60

agtgcattcg tgtcattaaa ttctgaaaag attcagttaa tgccatcaac aagaagctat 120

ttgagggtact gctgcaatca aaccattatc tactctcgca gatgttccat tccccatggt 180

tcttggtcac agtgcgatat catagacaca aaaaagaggt tgaatntggc tctagacttg 240

gtcaagagtg aacgacacac ggaaaggata tatcacattg gtatgtggaa agaaacaaga 300

cagatgacgg attccaaatt ttctaactga tagttttaat aaaactaata aat 353

<210> 9283

<211> 284

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9283

cgagtatgac agtcacgcgt ttatgagcgc tgtgcaccag cagcgcttcg aggcccatca 60

agggatggtc gttcttcggg agcgacgcgt ncagctcang gacgacgagt atacttgatt 120

ccaggaggaa atanggcgcc ggcggtgggc accactgggt actcccatgg ccaagtttga 180

tccagaaata gtcctttgag tttatgccaa tgcttggcca acagaggagg gcgtgcgtga 240
catgagatcc tgggtaaggg gtcagtggat cccgtttgat gctg 284

<210> 9284
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9284

agcttagctc aacattggcc agcttagcgg aacaaatcag cctcagatgc aagggttggg 60
cgctaagcgc ttgagactca caacttagcg cattaacaga gttgcgctta gcgcgaggct 120
tgtgcttaag gaaaggacta tttttcagaa aaaagttttc tgagttattt ttcagtcctt 180
tttccaagaa attgaaaccc ttatgttaaa cattcaaaga atgggttgata tactcctatg 240
tacagattat atagcangtt ccaaattgatt aaatgcatga naaacanaga caacagaaat 300
taaaactggg ttgcctccca ggaagcgctt ctttaacgct attagcttga cgcttttacc 360
tcactgggtg atcttatgtt ttggttctta ctttcaaaac ctcttgacct cccttcatta 420
cctgtaacca aacatt 436

<210> 9285
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9285

gcttataagg gcgtccaaag gtgactntct tctgaaaccc acttttgggt ggttccaatt 60
cctgtgaggg atccctccta tgtttctcan acagattcct agcgaatatt gtttgagtga 120
ttttctttgt tttgcacttc tgaagggttg tccatgcaaa agttagtgtg acctcagtgg 180
atggacaaac acgttgagtt ccaggtgcta gtcagtgtgg ttgcatcttg atgacttgtg 240
actgcattgg acgtgtccac tgaggaggct gtaaataaac tatggatatc aaaggaagag 300
ttgtaaaggc ttcagatgag gtgtgtgaat agacatatca agtccacctg tggage 356

<210> 9286
<211> 383
<212> DNA

gttccccaac ataactcggg ccatcattac cgccgcctcg gacagacaag ggtgccccaa 240
gagggagtct acggaggaaa tgctgaccac ctcaaaagac tggaaagcgg tttctaacga 300
ttcttctgcg gctttcacat aaggcatgga ggatgggcag cttaccaaga tatctntctc 360
gcctgacacg atg 373

<210> 9289
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9289

agcttctgga aggattacgt gatattctta ctagcatgaa tgaatattac aataggaata 60
ttaatattgc ttgctgccag taaccgtatt tgtcacgtag cacataccat gcatatgctg 120
gaatattcta gacagcacta atgattagct ctaaattctt cctttgatat gaaataaagc 180
aagcagaata tattcagttc actttccctc tctctctcgc tttattgctt tcttcacgga 240
gactcccttt cgggtctgaa tacgaaggat attacccatc attgggtccga cctgccgacc 300
ggcgacgcca tggccgaaca ccatacacgt tccaagacta ccgaccgcct ggaagaggcc 360
atcagccgcc ttaccagaaa ccagtcacac cttacagacg ctcaccatga cctcaccctt 420
cgtctcgatt ccatecanga ccaactactt taacttcaac ttcactttcc accccacac 479

<210> 9290
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9290

tatcagttga gtgggtcca cttcaacagt cttatgtggg actntaagag gatattaaag 60
aatatcttga agataagttg aagcattcca tttaaagaaa cttgagcttg gtctttgtgt 120
cagaaatcta cttttctat tataaccctc tctgttgaga atgaccaact tatgtattga 180
acttgtaatt tgtaatagat ctaagataaa agtaagaaac tatattttcc taagtgtaga 240
tcctctatga ggtgaaaata tgtgtttgtg caatctgaaa acacagaaac cctttttgtt 300
gttgaaagtg caatagtgc tagcattgtt gaaatccagt ggtgttgttg gtctagtttg 360

ggctacgttt aaagtccagt gggagtacta gcaagttggt gaaatccagt ggttcactac 420
aa 422

<210> 9291
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9291

agcttatcca tgccctcctta gtggatggtg catcanaaat cttctcgaac gcaccatcat 60
ctaataccttg atagatgagg aagagagctt tcttgtctct ctttcttgaa tccttanaag 120
tctatntttg tgcttggggg agtgaagtca ctactagaaa ataagggtttt aacattgggtt 180
atthagact ttcaagatcg gttattaaca aatgttgaaa gtaccgacgt tgaaagtatt 240
aacgttaaca tcagtttttg aaaactgatg ttaacgtaaa ataacaacat cagttattta 300
aataaccaat gttatataat aagaattaca aaaaanaggt atatatgttc ataccaacgt 360
tgacagttaa catcgattnt tcattcaaaa ccgatgtaac ttccanacgt taacacgttt 420
aacatcggtt ttttaaaaaa ctgatgttag ttacaaacgt taac 464

<210> 9292
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9292

gggactagct agtgaatggaa tgaatccata tgacaattta agcactcaac atagttcatg 60
gccagttcta ctagtaattt acaatttgct tccttggttg tgcatagaat gaaaatacat 120
gatgttgtct atgatgatat caggcccaac acagccagga aatgacattg atgtttatct 180
aagtccgttg attgaagact tgacaaagtt gtgggaacgag gggatttttag tgtttgatgg 240
gtttcagaat gagattctca aatgtgtgca atgctctttt gtaccattaa tatcattcta 300
gcatatanga atttaagcag ttacagtgtt aagggtcac atgcatgcc catctgtgaa 360
gaagacacaa gctacatata actgatacat ggtagaaaaa cagtctacac tatgcatcga 420
cgttttctaa aacctcatca cccttacagg gcgatgaaaa agcattaatg gaagtcagac 480

atgaa

485

<210> 9293
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9293

agctngtggg attatgggggt acccgtcata tgtggtacta tgtggcgatc gggcgatggt 60
gcaaatacaac tctcccatat ccacaaatca aacatgaacc caccatgccc agttgcccac 120
cttcaactga gctcacgtac tcctacgtag cccttatcct cgttcctctc agcaccgggt 180
gcccatacaac cctccaagc ttgcacaata tccaagcaat tcaatttcca aatatcatga 240
actaccctaa accaagaaaa cagggcagag gcagaaaact ctgccccaaa cacattcaca 300
tattacaact ttccttactc agatatccca gtaacattct ctttggtccg gttcggtaac 360
cattggatcg acttgaaaaa tttactggag gttcctagta catacatct 409

<210> 9294
<211> 499
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9294

nggaaggtag tcatacctca canaatatat atatatatat atatatatat atatatatat 60
atatatatat atacatatat atatatatat atatatatat atatatgtgt aggtagagag 120
ataccttggg tatgcatgta tgtagcacia aaaatctcac aaaatatata tatgtgtgtt 180
taggtagcaa gataccttgg atatgcatgt atatagcaaa aatatctcac aaaacatata 240
tacgtatgtg taggtagcaa gatacctggg acacacatgt atatatcaaa atacctcaca 300
caaataatcg tatgttttagg tagagaaata ccttctgaga naaaagagag cgagcgcgac 360
aagaactaga agacaacaaa catagagaga catattatat anaaatatat acaatcatta 420
acgttgtcta gctacaaaac aacatgcgtg tgagaagaga tactatcagc tcttcttga 480
aatgcactg atcataccg 499

<210> 9295
 <211> 423
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9295

agcttcttag tttcagatga tgcagatggg cttgtagcta cctcatgcac tcctctaata 60
 actatggcgt catttctggc gctaaactgt tgggagttgg aagccatctt ctcaattaaa 120
 tntttggctt cagcaggagt catgtctcca agggctccac cactggcaac atctatcata 180
 cttctctcca tatttctgag tccttcataa aaatattgga gatgaagctg ctccgaaatc 240
 tgatggtgag ggcaactggc acatagtttc ttaaactcgt ccagtgactc atacaggctc 300
 tctccactaa gttgtctaata acctgagata tctttcctga tgggtgtggt cctcggaagc 360
 agggaaattt tttctaagaa tactctctta aggtcatccc agctcgtgat ggaccttgga 420
 gca 423

<210> 9296
 <211> 502
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9296

ctgagaattc acccaagagg tttagattaa tgcgtgaact taatttgata tcatatatta 60
 gatcaaacac tactcattac tagactaaaa gatgtagctg atggtaaaaa taaaattctg 120
 ttaatttctt caaagaattt tagagttaca actaacttaa gagtatggaa attaaattca 180
 tcatggagta ctgtgagatg ttaaattcat caaattcttg ttggaatcgc gttaacccaa 240
 ttaaataaaa tcaacacatc ttataaagtt ttaaagtcaa tatatagttg aaagtaaaaa 300
 ttaactgttg atcatattaa gaattgcaa gggagaaagc atagccctta aaagtctttn 360
 tttttacata aaataaatag taagtttagc attactactt tctatacgtc cattntacgg 420
 ataatttcat ttgaaaaata atgctactca naataaatgc atatatatta ccattngcta 480
 taaactatta caataattat gg 502

<210> 9297
 <211> 343

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9297

agcttcagggt tgctcattaa ctccagatcg ctgcanagta tgacaaagat ctgcatgggtg 60
atctgcacaa gaacatatac cacaaactct cgcacagggtg tagagttctg attcatggca 120
agctgagtta ctacgttgac caatgcatca cagtttcctt caagctgttt atttccagaa 180
tatgaagatg aatgcgtggc cacctcatgg actctcttaa gaacaatagc atcatttctt 240
gcctgaattg ttacgagttg gaagccatct ctctatcaaa tttctagcct caacagggtgt 300
catatcacca aagagctcca ccaactggcat ctcaatcaat act 343

<210> 9298
<211> 346
<212> DNA
<213> Glycine max

<400> 9298

ctataatact cagctatgat gatcattcta tactccttcc acagtgggtgc ctcaacaccg 60
aagcttgcat actacgcgta taatctgtag catggagaga cgtgggaaag accaataact 120
tgagggtcat tgtatggttt attttttggg ggatacaggg gattctagta tacatacaga 180
ctacatacat atatagcaca tatggtagat tgatagtggg tcttttcattg cttttgtttg 240
ctctgggtat agtttctttg gctataacca cagcatatt tgcaagacgt actcgggtac 300
ttcttgata gcatactgtg tacttgggta ctccatgtgc aacgtt 346

<210> 9299
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9299

tattggatgc tgannnattht tgtacttgat gtgcttaaca tatcttantt tttcattcta 60
gcgcactgnt aaggtatata attagaaaga tggatgtctc acgggtcacg aggttgctaa 120
cttacaccaa atatgctgtg tatggtcgtc tctgtccaaa gntggatggg gaaggtgaat 180
cgtgtaaaat actcagaaca aacttctgtg agttccctta accctaaagc ttacatgana 240

gcttacacaa tgatttttca ctctaatttt gctttttgcg atttcagatt tgctgtcaag 300
 ctagcttttc agtttcatgt caacgttaaa tatcttogca tctactaacg gtcttacagg 360
 nagaatgtn tacctatatt tgattataat ataccttaag tt 402

<210> 9300
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 9300

tatagttagt gtcccagagc caccaactcc aatgttacca aaggaaaaca ctaattcaga 60
 ggcaactgtt gcgggattca ttaaattgcta aaattggata cagtgaagtt cattaatttt 120
 ctttatttgt tcatgtagta ttgcaaaaag gattttttta aaaataaata aatgtacgta 180
 tgttttagtt taacattact agtaattttt aaaataagaa accaaatgat taagtaatac 240
 taccactatt aatgtaatga ttttattcat ttatttgtat taatatcaca actatatcaa 300
 tttttaatct aaaatacaat atttttcttc ctttccaaaa ctcccaaagt aataaccttg 360
 ttttctcttc cccgcaacgc ttcaaccatt ctcttacagt gtccggtcatc ttttgacgcg 420
 tgggtgtata aatggc 436

<210> 9301
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9301

cgagcagggt tgcttcctcc agaagcaaca accttctgga ggaatcttct ggagggccca 60
 agtgggccag attgctatnt gcacctcat ttttactaaa tgcaccccc tttctatttt 120
 tgtaattctt tttccgtaac gttacgaaac tttacgaatt tcgtaacgat acctattttc 180
 ctccgcaag gttacaaatc ctcacggatt atatatttta ctctttttta cctttcgaag 240
 aagccacgga aactcacaga ttgcgcaaaa acacctcttt tcgacttccg ccacattacg 300
 gaatttcacg gatcgacaaa gcctgcttcc ttttgatttc tgagacgtct cggaacttca 360
 tttattgcat gtcacaaagt aataatcccc ggacgaaaat agggatatgac agttgccctt 420

ctctacttac ctctcatcgg agat

444

<210> 9302
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9302

caagtactaa gaagaatcaa aactagccac gacccatgag cataaagtgg cggacgaata 60
tgcctgagtg catgcggaaa aggaggctag aggaaggggtg attgactcgt tacatcaaga 120
gggaacgatg tggatggacc ggtttgctct tactttgaac ggtagtcaag aacttccctg 180
attgctggcc aaggccaaag caatggcgga cgcctactcc gccccgagg agatccacga 240
actcctcagc tattgtcagc atatgataga cttaatggcc catataatta ggaaccacta 300
cgaagttingt attgtcactc agatcttgac tagttataac tntctgaata aaatgagttt 360
atctcgcgtt ttactccaa aatcagtgcg aatcaaatca ctccacatt ttatctctgg 420
catacattca t 431

<210> 9303
<211> 249
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9303

aaagaaattc ccatcaaag atcgaagaa agaaaagaaa atccccaatc caagatttgg 60
agaaaacaaa agaaatatac agaaaggctt ttggaccaga caatatctga ataacatgca 120
gaattgtcac aaacaagaaa aggaaagaaa ggaaactang gcttgcgaca catgaagtgg 180
tccccctttt attaccaacc aaaatccttt gtgtcggcaa ctctttcgcc tcgcactana 240
caciaaacag 249

<210> 9304
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9304

agcgggttttt ttcttgtaca aaagtaaatt aaaccatttt caccagttaa gcggctntcg 300
ccaccttctt ctacctctac aatatccac cactgccaca atgccccctc cacgtgtcac 360
ctcagggcgt eggacatnct nctctgtcat gttgcctctt tntaccgtca tgtcaccac 420
cacccatcca ccatgcacta cattattgtc gtcgtacatt caaataaccc tctaattttt 480
a 481

<210> 9307
<211> 406
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9307

agctgtatat atatgatata nnaaatgaaa ttcanaacaa aattggtgca gtaagggtaa 60
tagtgtgttt tgactctatt tgcattaaat ggctatgtgc atttttttat tcaattgtga 120
taccgttaaa tgaatgacta tatgcatgac atgttttaaa cttgtgcaag gcaaaatata 180
cttgattcac agctgggtctc caagttaaaa gaaatgtntg atgaacacaa tatgnttgct 240
aagtctttta ggatggccaa agatagatat gataactttc agacatagaa tcatgaccta 300
caattgatag ctgacagaaa aaaaagatgg aagaatctat aatttgaca caattttaaa 360
gggtggttgc agttattgtt ggtgatgcaa gtcaacctat caaatc 406

<210> 9308
<211> 461
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9308

gcatcatgca cagttgttgg atattgtcta cttgtggcct cacaagcaaa gaacaattga 60
tccttatatt ttctttcttt ntgaaggcaa aatgtatatt atattaatga gataaacaga 120
acagtacaag tggtactgaa aaaaaagaaa atacaaagca cctctggtgc tgccctccaa 180
agatacaacc caagctaacc catcagaaaa tcaaaaccac ctagattaac caaattgatc 240
ctttatatta gaggaccaat gattaaagct agtggtgaac cttttctccc tagctnttag 300
ccaagaccaa gctgaaaaca tagcctcttc catgactttc gaggagtcaa attgttttcc 360

ttgaaatatg aagttattcc tatgttgcca aatagtagta gttagggcca cccaccaccc 420
ataccatctg ctatggtttc cattagcttc gaatccttca c 461

<210> 9309
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9309

agctntaagt ttccacttct ttaagtgcac atttatcttt tattaatttt tttaaaagaa 60
ggagagagag agagagagag agagagagag agatcgatgt cagcactcac atctcattaa 120
taatttttcg aaaactatct ttcaatcatg gcaaaaatta tgacgcacat ttctcaataa 180
aaactgaaat gtttttgtct ttttgaacac gtnccctcctt ctgtctatac acttcaacaa 240
acattagtcc caactgatta atgaaaataa agtaagatga tgctatcgtc taaaaagaga 300
tctctttaat ccgatacact agtcatatnt aaatgttccc ttatatagac gaaaccattt 360
tcaagcaaag gcttagtgaa gataccaaaa acatcttttt gcacataatc atgaatgaga 420
tgatatctta tctcaatatg c 441

<210> 9310
<211> 228
<212> DNA
<213> Glycine max

<400> 9310

gcgtctcgag atctgatgcg cctgagtcga acgtccgagt gagaagaggt gaccatccaa 60
atttgctgag agagtacggt gctcaatgtc aagcgtagtg atatattatg tgcttgaatc 120
ggacatgccc gcgaagaggc atgaccattt gaagttctcg agagcctacg ctgtccaatg 180
aacaacgtcc gcacctgtga ttgacctgaa tcggctcctcg agcgcggtg 228

<210> 9311
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9311

agctggaatt atagtgggtg gtgactaatt ggcacataa agcaaagtaa agctccaaga 60
agcaaaatta aagatctaaa attactcgct cagcatttct caggtgctca gcgcaacgca 120
gatgcttagc ggacaacgca cgcttaacgc cagatagtat gaagacgtct gaatcatgaa 180
tatgtgctta gcgcgagtca ctcgctaagc gcgagattac tatcatactc gctaagcatg 240
aaattgcact tagcgtgaag gttacgttaa aatcaaactg aactactcct ataaaagaag 300
gagagagaat aag 313

<210> 9312
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9312

tatggaatta tattattntc tgatggcact aatttgcagg actgagagta gcgtctcgaa 60
gtggcctttg gttccagtag acgaattggt ttctctgggt agcattaata aaatcatttc 120
cagtgcctgt ttttatgtta tttcctggat tacatattgc tttctatctt tcttatcctt 180
ggtgtttatc actatcccaa tttccaatta gctctatttc attgtacagc tcagggttcac 240
tgtatcttaa gaaattgaga taattaccct tatttgtgag tgtactctat taacaatctc 300
tgtatacata tcatttaact gagtgtgtgt aagtgtgtat tgaccattca agaattattca 360
cacganatca atcttatttt tatcttcaac tatatttttc acgcctcac 409

<210> 9313
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9313

agctnggctt cattcctgcc ccacttctaa tactttttatc attntctaaa ggtttaattg 60
cattttaaga aaattatgtg acaatttaaa agtaggagac aaaaaattgc ggataagaat 120
agattagatc atccgttagg tatctatggt ctccaata ataagcttat gttatatcat 180
acttcttttag aaaataaata ggttaagacc ttttaaaagt ctatttagtt aaaaaaatt 240
ggactctatc acttaaaaaa tcttttagac ataatagatc aatcttagtg ttattattat 300

attaaatttg ttatgatata ttgaatactt gtttatcgga aacatttggt tcaagacatc 360
 ttttanttgc gaaaatgtaa gaggagaat tattattntc atatctttta gaagggtatg 420
 acaatata 428

<210> 9314
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9314

gcggattggt cttcgccagt gaaaggatcg aagtggatct gaatagaggc aaatttaatc 60
 atcctgcttg gacgaatgag aaaactgtgg caaataaaga gggtagaggat gagggagaaa 120
 cccatgttgt gactgccatc cctgtacggc caagtttccc accaacccaa caatgtcatt 180
 actcagccaa taacaaacct cctccttacc caccaccag ttattcacia aggccatccc 240
 taaatcaacc acaaagcctg tctaccgcac ttccaatgac gaagaccacc tttagcacia 300
 accaaaaaac accaaccaag aaatgaattn tgcagcgaga aagcctgtag aattcacccc 360
 aattccagtg tcctatgctg acttgctccc atatctactt gataattcaa tggtagccat 420
 aaccct 426

<210> 9315
 <211> 493
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9315

aagtcagcaa cacttccaaa tgccaattct tcctgtcgca tccgtcttca agacgatcta 60
 tgcacatagt ttcacttatt agttaggagg agatnttgcc ccagtggtat ctcgaaagca 120
 gataaaatag aactcattct agagagcttg gtgggtctta taatgggttcg ggtgggtgggt 180
 tctcttaaga ataaataaga cgaatagaat ctaattcatg ttcattgcaa tagaagagcg 240
 gatctaagac acagacaact tctttctcaa caagtactag ctgcacttct tctcatgaa 300
 gttgcaagac aggagctagt tccctctcgg ggttctaaga gccaatgctt tctatcgctc 360
 agcccttacg cctgaactcc ttaacacaag cactaagaaa gccgcgaag ggcttcaata 420

tcgcacctac taagacagna atgtccgtta cgatatgact acttccttct ttttngacgc 480
tatggtcgtg ccg 493

<210> 9316
<211> 519
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9316

agcttagccg ccacaaatta cnttagacca aaccatttca tatgtcacia aatcaacatc 60
aaacgttgtc tattaagatg caaacatact agtctaacgt cttatagata cacaatatta 120
agctcattgt ctttttctct caggatttac aagatatttt gaaagctntt tacaacttat 180
aaattttgaa ttcagagact taaaagatga aaaatgaatt tgacaaaaaa aaaataactaa 240
taatttcacg gcaacaaaat tcacaacaaa ggttgtgtga gggaattgtc aaacaagtat 300
ggaaaggtag aacttgcaaa agtctttgaa cagtcacgtg nttaaacttt tatgttatac 360
ttttcaaagt cattcattat gtttcctca aacaatngtc aaacaagtgc attaacatgc 420
atgcatgttg tgaatggaac aacattatac cttatcctna aacctnctc attnccctgc 480
acttcctaac taacttgcaa caatacttca cactctcac 519

<210> 9317
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9317

tcttacgcag cgaacataac caaaggacaa catcctntat agaacacana acaaccagtt 60
gtcgatgggc cctacatttg aaaataattg ggtacgtaaa ataaaaacat tctatacatg 120
tatttgataa attttactta ctgattcaag taagtccta aatagacctt ttgttgggat 180
tccttaaccc atgttttaat gtaatgttga catttagcac gtctgtcctt tgcattgtga 240
tggactgagg ctcaaggaac ccatacacca caccatgacc caaggtcgaa ctccactcat 300
ccataaacct attntcatca ttgaaatga aaaattgaaa atcatgtatg ttataaccaa 360
tattaattaa tagtgatag gtatagaatg tacttacatc atccacaatt gtagtacaag 420

tatgtttaga catgtgtcac ctaatattat ctcatttaca tcagaatatg ttaagaagaa 480
 tgatgcatct g 491

<210> 9318
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9318

agctntgagc aaattcaaac aacaataacg ttntactcgg atgtctgatt gagtcctgta 60
 atatatggag acgctcgaaa ttgaatgttg aagctctgag caaattcaaa cgacaataac 120
 tctttactcg gatgtctaata tgagtcctat aatataacga gacgctcgaa gttgaatgtt 180
 gaagctttga gcaaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcctg 240
 caatatatca acacgctcga aattgaatgt tgaagctctg agcaaatnca aacgaacata 300
 tatctntaat cggatgtctg attgagtcct ataatatatc gagacgctag aggttgaatg 360
 ttgaagctct gagcaaattc anacgacaat aactttcact cggatg 406

<210> 9319
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9319

ctcagcttca cattcaactt cgagcgtctc gctatattat acgactcaat tagacatccg 60
 agtataaaga tattgtcggg tgaattntct cagagcttca acattcaatt tcgagcgtct 120
 caatatatga cgggactcaa tcagacatcc gagtgaaaag atattgtcgt cttaattggc 180
 tcagagcttc tacattcaat ttctagcgtt tcgatatatg accggactca atcaggcatc 240
 cgtgtaaaaa gatattgtcg tttgagttgg ctcagagctt caacattcaa tttcaagcgt 300
 ctcgatatat tacgggactc aatcaggcat cggatgtaaa agttattgtc gtttgaattg 360
 gctgagagct tcaacattca atttcgagcg tctcgatata tgaccggact caatcagaca 420
 tccgagtana aagatattgt 440

<210> 9320
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9320

agctngatgc attcatcttg tgggatacaa tgctgctaata gttaaaagaa tcacctttgn 60
 gtagttntgt aagctatctt gtatggntcc tcctagttnt ctaggagttt gttgcctcaa 120
 gtgtttatct ttgacatata ctcatcttaa tagttaacac agtgtttctc acttaaaatt 180
 cacaagggtt gacacaatga ttatatttaa aggacaccct tttcttggtg gcaacttctt 240
 ttaatttttg aatatttctt tttctcttct atcatatcca tcccttccct taacaattgg 300
 ttattggagc ttgatgggaa tgatattgga ggttcgagta caccttggat accaaatgc 359

<210> 9321
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9321

cgtcttttta aggtatata aaagaaggcc cagganattc aaaaatttaa tgactgccca 60
 cacgtactgt ctcgtggggg gtatgaactg cttgacaaga aacttatgga ggagaagagc 120
 aagtgtgggc atgaggaaca ttcgtgtact gaaagcccaa cactcaatgt caaccaccca 180
 tccccagttg caagacactt gaagtggaag atcgctgca caaagcggca tggccaaatg 240
 acgtctgaag tggcacaaga aattgtagac aaaattgtga gttcatatat 290

<210> 9322
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9322

gcttgtagaa accaaagaga cagagatata tagagaatat tcagcttgta gaaaccatag 60
 aaagaaaata atttnttgaa ttgatntttt ttgctgctnt gagttgctta ctaattataa 120
 caaaatttca cttctttcac atttgtgcat ttgctgtcac atgaaggctt gtctgtttgg 180

ccttattgtg aaatattatg gagtacactc gttgacaaca attntgtgtg tctactactc 240
 tgctgtcata taaaaacact aaaaagaatt tgacaaaaca ctatgaagag ttaaaagata 300
 tgtctagctt tctacatcgg ttcaggccan aaccgatgta gaattctaga cattctacat 360
 cgattataga atgatcgatg ttgaaatctg acatctacat c 401

<210> 9323
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9323

gaattcacc ccaattctggt gtnctatgct aacttgctcc cttatctact tgataatgca 60
 atggtagcca taaccctgc taggtttcct caacctccat ttttccgagg atacgactcg 120
 aacacaacat gtgcttatca tggaggagtt ccggggcatt ccattgagca ttgtatggcc 180
 ctgaagcata aggtgcaaag tctaattgat gcgggctggc taaaatttga ggagaatcgc 240
 ttgtgaatcc taacattgac aagcgacacc acacatggng caatnttgaa agctgttggt 300
 atatgtctct aatgactcat caggattttt aagtctatgc cattattaac catagttaca 360
 acgctaaata aaatggataa atttgacatc ttgtgccac atnctctcat aattacatct 420
 gttgcttcac tggaatatgg gtgcgagcca ttgatttggt tgctcaaaca actgancgct 480
 ctgagtg 487

<210> 9324
 <211> 137
 <212> DNA
 <213> Glycine max

<400> 9324

tcttgtgttg aaatccatat gctaattatg tgcagactaa atttctacaa gcaaagttaa 60
 atccttctaa tacttatata ctgaaactta tgatcacgaa ggagatatta tatatctctg 120
 ctggtaatgt taactat 137

<210> 9325
 <211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9325

ctgcagcagt taactgaaca aatgaagtgt ccacagtcac tggatgggtg cctggtagag 60
 gtacatgtta taaactaata agatttcctg cgtgttaggt ataattatta agaagaggca 120
 ctatatatat agacttttat atataaagct tattagagtt ttaacacact ctttttaaca 180
 cactctccac tgttggctct caatttattg agaattataa aatcagaata atgactcatc 240
 atatgagtag ttggacctgt caaatttgtg atntttaaga catttgagcc aacaaaaaag 300
 agtgttcaag agaatgtgtt agagacagag ttgctacat ttctctgggt aggaatgggtg 360
 tttgtagtta ttagtgaaaa tagaaataga aaatattttc cttatgtcaa acaggcttct 420
 gcattactaa ttttacgttt tacaacatta tgatagatgc atatatatc tttctttc 478

<210> 9326
 <211> 85
 <212> DNA
 <213> Glycine max

<400> 9326

ttgatactga acagaccaga ccaaccacta gtgagaatca agaaatgtgc tgccaatcac 60
 cctaattctta acataatagt gatgc 85

<210> 9327
 <211> 163
 <212> DNA
 <213> Glycine max

<400> 9327

taatgagctg gtgaagaaga ctgtgacata tacttgggtg gaaagacaag agcaagcctt 60
 ttatttgctc acagaacagc ttaccaagac acttgttgta gctcttcctg acttatttaa 120
 aactcttgag ctagaatgtg atgcctctgg aatgggtgtg gga 163

<210> 9328
 <211> 305
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9328

agcttgtagc atttgtcctt tatgtgtccc aacatgtcac agtgagcaca nttgggtctt 60
tctttcttga tgtatttccc ttatttgata tcacattggt tctttgatgc agaattaaca 120
gaaaatacta tattttctaa agtattggtg ggtgggtgag taaacaacaa tctcctttga 180
gcttcttctt gaaggattag ggagaaaaca ttaccaattg aaggcaaagg atcagagatc 240
aggatctgac ctctgtattt agagaaagaa tcattcaaac ccatcaagaa tgacattaca 300
tactc 305

<210> 9329
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9329

cttaaaggat atgttgacta ggaaacccaa gtacattcac caggaaaata ttggtgtgga 60
aggaaattat agtgctgtga ttcaaaagat ccttccaccc aagcataaag accttgggag 120
tgtaaccatt ccttgcttaa ttggagaagt cactatggga aaggctctta ttgacctagg 180
agccagtatt aatttaatgc cattcttcat gtgcagaang gtgggagaag tggagatcat 240
gccactacg atgactttac aacttgctga ccgctccatt accagaccat atggagtaat 300
tgaagatgtg ctggtcagag taaaacattt tatcttgccg acagactttg tggtaatgga 360
tatatgtgaa gataatgaca ttctgtaat ttgggaaggc catcatgtaa ct 412

<210> 9330
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9330

aagcttccat atgggggtgn taataagact tcccgttgta cataaagcac gaagatctgt 60
ctgaaattgc acacggtggt caatgtctca acatatctgt tatacagttg tggattctgt 120
aagtcaattt aaattatcgt taattactta agttattggt ttaaattcat acataattaa 180
ctttgtgtta ataaaaatag gcatctgact gagacaagta tgcgagcggn gaattccgat 240
gtgtatggat tcctcgagcc acagtccatc tagagatcta ggcaatcgga atttgaatta 300

gaaagttaca tgataaaatg gatgcataat tcanaacgcg atgtttacct atgagcctac 360
 ctgaatggat aagtaaaact gaacaactga atttanatag tgtataatac tacaataacc 420
 catattggtc tccactgcag tgcacactgg canatggtcg tcattttg 468

<210> 9331
 <211> 511
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9331

tactcagcta tataatTTTT ggtagagaan atatcagact attttttgtc ccaaaaaaaaa 60
 aaaaatattt gaatccttct ccacttgtgt caaaccaaag aatctcctac taataacaag 120
 ttttaatcag ctaaaatagt ttgtttgtgt tataagaaaa ctaccaacac ctaaaactaa 180
 ctattaaaat cagcggaaat atagctaaca ttacaatact cttagaatac atggcaactt 240
 tctatatgcc ttgggatttc aacttaacaa gaacataagc aaacaatcag tatgaagttt 300
 tggatttcaa cttaacaaga acataagcaa acaatcagta tgaagtataa aggaaaatcc 360
 aagagagaga atgagaggat agtaaaacct aaggcttcac aggaagtcca tcaataatca 420
 aataattaan anaaataagg ataattttta agtgagaaat gaaggataaa ttcttaaaac 480
 aactataaat tattaataaa tataatatta t 511

<210> 9332
 <211> 298
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9332

agctnnggat tccttttagta aggaatctat ccttcctaag atggagccaa acccagtcac 60
 cctcattaag aaactagctt tttcttcttc tattgccttt agttgaatac ancttttgtt 120
 gggtctctat ttgggtctta accctotcat gcaacttctt tacaaaactct aacctagatt 180
 ccccttcttt atgtatanaa gaaagtgtcc agtgggaggg gaatgacgtc taacagtgtt 240
 atgggattga cccatagaca acctcaaagg ggactgcttg gtggtctatg aacccttc 298

<210> 9333
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9333

tctagccaaa tggacttacc ttgaattaat tcctttgata gcctctttga gcctatgttc 60
 ccctttcttt gttttgaagc tcattacaac ccttaagtga aaaaccatga tatcacctta 120
 cccttaagga attttggagc tttggaattg ttttgggaat aagctgggaa taagtgtggg 180
 gggatatgtt cattggaaga tatgattttt ggccatgctt gatgtatttg tatattgcct 240
 agttcttgct ttaatcttca aattcgttct taacaaaaac aaaaaaaaaa aaattcaatt 300
 gctgcaaatt cgtactattc aaaanaaaag aagaaaagaa gtgaagttga ataatgagg 360
 tcttgttatg aggacttgat ttgggagcct tgattgattc tcgtgatatt agaggggtctg 420
 ggtttagtac tt 432

<210> 9334
 <211> 495
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9334

agcttttagt tgtgctgcac aagggggagg tatgaacatt tcaactntaa ttgttgtgtt 60
 aagagtgtgc aggtagtttc taacatttgt tacttatttt tatttgtaga acaagttgaa 120
 aataccatgc atttcatata aagatggggc atgaactaga agaaacaact ggcataagg 180
 atcaagctgg acttcaacac agtggttgta ttgttgtgga ggtagacaat ggaaaaggca 240
 aactgagagc ctactttggc gatgaaatta tgtttattat taatgagtac cacacttatt 300
 anagttgtta tgggtcaattt caattcatgg gtgaatgcaa gtntatgaac ccatttacct 360
 ccgatagtcc attagcaatg cctcactc aatgcctgac tcattccana atcactctnt 420
 anaggatagt cattcattgg gagaaaacgt acctcgaagg ccctatccgg agtcaagcat 480
 tgggtgtatat catct 495

<210> 9335
 <211> 533

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9335

cgccacggcn nnntttgacg ctttattagt gcactatgat actcagctgg agatatggga 60
cccatacatg tggaccacgt ggctggtcgg cgatggtgca caacaagttt cacattcaaa 120
tgcggcataa cccaacttcg ctggtgcgca cctccaactg agctcacgta cttccacgta 180
gcccataatgc tggattctct taacaacggg tgcccataa tccctccaag cttncacaac 240
attcaagtcg aacaacattc atacagcaca agctatcata gtcaagcana acagaggcaa 300
tgcagaaaat tctgctcaac acatcaagca aaatcacagc ttttctcact taaagaccac 360
aggaacaatc tcttcgatca actccgtaac ccgtggatcg acttcaagat ctactggaag 420
tctacagtgc ataagcctac attgcgaccg gtgggatcta cgtagaaaca ttcataactc 480
attctacatt actcttgtca caatcagcag atacatggga ttgtctgcac ttg 533

<210> 9336
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9336

atcctcagag tcacctgcgg ctgcagcttg aggaatatgg ngtaacctatc acatgtggta 60
ctatgtggcg gtcgggtgat ggtgcacaac aagtttttcc acatccacaa atcgcgcata 120
aaccaccat cccctgttgc ccacctcaa ctgagctcac gtactccac gtagcccata 180
tcctegtttc tctcaacacc gggccccat caatcctccc aagcttcccc aacatccagg 240
taattcaaca tccaaaacat cacaactaa caaaccaagc aaaacagggc aaaggcagaa 300
tactctgccc aaaactcaa ccaaatcac cgctntttct cacttaaaga cccagtaac 360
ctttttctct agtacataag tctancgttt gaccgttggg atctactagc aaacatccag 420
aactcanttt gtactactct ntccacagcc aaccacacac aangcattt 469

<210> 9337
<211> 413
<212> DNA
<213> Glycine max

<400> 9337

ttatctaatac attccaatcc actcaaatca tacaattgct tattcaaatac attctcaaac 60
attcattttca tgcaaaacaa tccactgcat atcatttttca atcaattcac tattcaaaca 120
cgcttttatgt acaagcaaac aactcaaagt gctgaaattt aaataactga aattaaaata 180
actgaaatat gacaacgaaa tcagctggaa atataagggtg tttaaccttc accaaaacat 240
cttcaatgac tccatatggc cttgtgatgg agcgggtcaac taactggagg gtcatgcgtg 300
tgggcattat ctctatctct ccaagtcgct ggcacatgga aagaggcatt aaatcgatac 360
tagcttccaa gtctatgaga gctttgccta caacaacctc accaatataa cac 413

<210> 9338

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9338

agcttctatc actgccagac tacacatgtg agtccgctta taggtaaggg atgagtntat 60
cacaattagg gntagaatga acatgtgcag agattcttat aggatcaaata cgggggttat 120
tttgggatgc ttattgtatt agaattcttc atttatgatt ataataacga gattgttnta 180
tttgatggat taattgatgc cctaatacga attggttgat aaattgagtg ctcatgggtg 240
gaaattattt gaggggtccc atgttgtgag aagcattctt gtataatttg tttgtgtttt 300
ggacaagata tactatatta gcttgatata ttgctatata gcgatcatga cattgtgatt 360
aaaattatgt gtaagcgata aattgaatat gtgatgaatt atgagacatt aagttgtgga 420
catgggatat g 431

<210> 9339

<211> 288

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9339

agcttctaca ttcaatttcg agctcttcga tatattactg tactcaatcg gacatccgag 60
taaaaagtta ttgtagttcg aatctgctca nggcttcggt attccatttc gagcgtctcg 120

atatattacg ggactcaatc ggacatcaga gtataaaggt attgttggtt gaatctgctc 180
agagcttcgg tattccattt ctagcatctc gatataattac ggcaactcaat cagacatccg 240
agtaaaaagt tattgcagtt tcaatatgct cacggcttcg gtattcca 288

<210> 9340
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9340

ttgagcatan tcaaacgaca ataactctct actcggatgt ctgattgagt cctgtaatat 60
atcgagacgc tcgacatgga ataccgaagc tctgagcaaa tttaaacgac aataaccttt 120
ttactcggat gtctgatcga gtcccgaat atatcgagat gctagaaatc gaatgtcgaa 180
gctctgatca aattcaaacg acaataactt ttactcggga tgtccgattg actctcgtaa 240
tatatccaga cgctcgaaat gcaatatcga acctccgacc gattccaaca ataataactt 300
ttactcggga tgtccgattg agtcccgcaa taatccgaac gctcgatatt gaatgttgaa 360
gctttgagca aatccatacg acaataactt tctactcgga tgccctgatcg agtcccgaa 420
atatcgagac gctcgaaatg gaata 445

<210> 9341
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9341

gcaagcttct taagaagatt cctanagaag ctagagctta gctacacata cctctcta 60
agctaagctc acctccttga gataagaagc tagaacttag ctacacaccc nctataataa 120
ctaagctcac ccccatgaca aagaacatga aaatacaaaa nanaagtoct tactacaaag 180
actactcana atgccccgaa atacaaggct aaaaccctat actactagaa tggccaaaat 240
acaaggccca aacgaaggag aaacctattc taatatttac aaagataagc gggcttatac 300
ttageccatg ggctcgaaat ctaccctaag gctcaagaga accctagggc catccctggg 360
atctctagcc caatctactt ggagtcttct a 391

<210> 9342
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 9342

tgcacctcgt tctttctttc ggacctctt tgtttcccg tccaatgctt cggctgtggc 60
 cacattgacg tctctcagtt cgtcgcatta tttttggacc tttatagttg tcatcttgaa 120
 cttttccttg actgtttgcg ccttttcaag ttctaccttc aaagcttgca cctcctcact 180
 ctctcaagg gtttcagcct ctctcctcact cgagggtttt agcttcggga gacaatctag 240
 ctcttgcatc cgagccttta gccacttggtg atatctactg atgatcccat tgctgcttcc 300
 ctttaagttct ttatcctttc ttagtgaccc t 331

<210> 9343
 <211> 223
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9343

agcttgagat gaggaagtgt agaaggggtga aacttcctgc ttttattgnt gaccacagag 60
 tgggtacctgg agatatgtcg cggggggtcag gagaccttat ggacgtcagg tgggggtgcta 120
 ttgccccaaa ccaagcttga ccaatcccaa cccaaccggt gcatagtcgg tcaatgagaa 180
 cctgtgaggt acctaaacag gogagctcct ggcagtcaac aga 223

<210> 9344
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 9344

ctcacaacat tcattagtcc aacacacact caacaaatag tcatcatcca tccacaattc 60
 caatcaatca tgctcagtat gatgcaatgt ggtaccactt gacctcaact ctcaaagtga 120
 atgtgggtacc atccccagg aaatagccta agcatgtcca cagcactc tcaattatga 180
 aaactaggca gtaagtgtcg aggtcacctt gtcgtgcaca agcaactccc cctccccacg 240

gtgatctgcc tgagtctcaa gggagttcta aactgagtga cataccccca agtacaagta 300
 tttctcctca tgagaaactg caagtactca ctgacaaagt ttatactatt ttcatgtcat 360
 atgaagtatg aaacatgggc accatcaatg cactaatcac gg 402

<210> 9345
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9345

accttagaa atttgaatct aaatttcaca gtctataatc gactacagag tgtatataat 60
 tgattaccag agttaaaatt caaatctcaa atatgaagag tcacaaactct ttagaaaaca 120
 actgtgtaat cgattacacc attctggtaa tcgattacta gtgaggaatt ttcgaaaata 180
 actccaaca gtcacatatt ntcaaagtgt tttgaatggc catcaaaggc ctatatatat 240
 gtgacttggtg acacgaattt ctagagagag tttttctgaa ctgagatgtc ttatcctctc 300
 aaagagattc ctaggtcaaa cacttgcata ttcaataagg aatcttgatt gattttaatt 360
 gaatatcctt ctc 373

<210> 9346
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 9346

agcttaagtg ttcacgggtg catgcaaagg cacaaggata gcgtatgtat cttctagaag 60
 cttaggagga ataaagaata ttactgtta gcatttctgt taagcagtta agcagttacg 120
 taataacaga atgtataaaa tgcaagaaaa aatgctcttg aataatatca gaaaacgcat 180
 tctctagttc cttcctttat ctctctatct ctctaccctt ctccttccac ggaggttgct 240
 tgggcctcga aagccaagcc taacattgggt gctttcattg atcctttccg ccatggccga 300
 agctacatga tccaagacca gtgttgatcg ctggaagatg cattcgtgaa gctttcagca 360
 tcaatgtttc caaagtttga tgagctotta tccgataaac cagaagagac tcgcttccaa 420
 atcttatggt ca 432

<210> 9347
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9347

aatctgtacc tatcagcaga gtctgtgggt tatgctnctc taccgaccac catatagacc 60
 tttgcccttc tatgcaacaa tctggagcaa ttaagcagcc tgaagcttat gctacaaaca 120
 tttaacaatag acctnctcaa cctcagctgc aaaatcaacc acagcagaac aattatgacc 180
 tctccagcaa cagatacaat cccggatgga ggaatcacc aaatttcaga tggcttagcc 240
 ctcaacaaca acaacagcct gctctttcct ttcaaaatgg tgctgggtcca agtaggcat 300
 acgttcctnc tccaatgcaa caacaacaac cacagtagca acaacaatag agacaacaat 360
 caactgagac ccttctcaac cttncttaga ggaagtagta aggcaaatga caatacagaa 420
 tat 423

<210> 9348
 <211> 57
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9348

tcataatctn tatttactta tgctgccact tgtgacaaca ttacatcata cccagat 57

<210> 9349
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9349

caaaaaatga agcttcatat gagctcttca tgatcctact agtaaaccta gcacatcata 60
 tacacgagta gagatcctct tcaattactg gaaatctcta gtagaagaga agactaaccc 120
 catacgcacc actccccttt gcaaaaggca agatgacatg tagcatagat aggcaatata 180
 ctactatac atgcatgcc a gttatgtgt aataaaattg actttttttt tcttttgttt 240
 atcaaaataa gttatctcgc aaaactaatt atcaaaatag atgtttttaca taattactta 300

cctgtcatgt tntatcacga agaattgtaag atgtgtcacc

340

<210> 9350

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9350

cctcattgtc tctcacagtc tttagaattg ggagccaatc caatccttgt gtccggactc 60

tcagccactt atgatagccg ccgatgatcc cattactgct tccnctaacc tctctgtcct 120

ttcttcacgc cgcattcccat gccttgcgaa ctctctggag taccctcgcg ttgtggtcac 180

tgaaaccccg tgcgatgaaa ggcgtgatgc tttcgtctaa tggcactcct ctcatggagt 240

agccaagctg tcttatggca aggacgggat tataattaat acaaccctt gttcccatca 300

agggaacatt tggacatcct tcgcatgaag atagaatcct gattcttcct tccttctagc 360

gagggaaacca attaacagac gccctcccat gctagccaag agttgggtccc aat 413

<210> 9351

<211> 485

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9351

gctttggagt agaaacatgg gaccaactca ttatatctca caaagtggta tctagtcaag 60

gtctgagaga ccatacaagt ttcctagcga tttctaatta tgtggggccat taagtctatc 120

atatgctaac aatagccgag aagcccatga atttcttcg gggcggagta agtgtctgcc 180

atcgcttg ccttggtctaa caatcgggga agttcctgac tcccgttcaa ggtaagagca 240

aaccgattca tcaacatggg tgccctcttg tgtaaagagt cgatcacnct gtctctagcc 300

tctttnttcg cgtatacttg ggcatactcg tccgcgatcc tgtgctctg ggcgtggct 360

aaacttaact cttcttggtg ctggcgatg atagctagca tgtnggtctt cgtctcgcat 420

aaacgctgag acaagctcct tttggacctc gaacaggcaa ctaactcttc tttcaaacca 480

tgcta 485

<210> 9352

<211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9352

ttatcaatat atgggtctaa cacanataat taaagggttt aaattgatta tttctagaga 60
 agtagatgat ttccctgaac acaattttta tttgataggt aatatgataa aattactgcg 120
 aaagttacga acttagaaat gaagagtaat ttgaagaaat aactttatat ctttgtgtac 180
 tgactccaac tgaattgttt ggatgaaaga aatcatttta tctactaatc atagacaaat 240
 tggagtatta ccaaagatg cacgtattgc caatgtcgta gatataggta ctttgagaat 300
 gtcttcttaa acaccaatgg ctctgatggg cagttttact agagaatttt gtaaagttca 360
 aacctttgaa actgattgaa gaaggtaaga gttcccagaa ggtggagaat gcaagatctt 420
 gaagacaatt agaatcgta tttacgaaca aatgtgggag ctttgagggtg tgtgactgtg 480
 aatgacttgc acacat 496

<210> 9353
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9353

agcttctaaa ctntgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatattctaa gaaggggggg ttgaattaag atattccaaa ctgtttcccc taattaaaaa 120
 tctatttcac tntntactca agttatgaat tcccttaatg acaatcttct taaatattaa 180
 ttcaaatgaa gcaacttgaa tatgaatata aagcaataat aaataaagga gattaaggga 240
 agagaaaatg caaactcagt tttatactgg ttcggccaca cccttggtgcc tacgtccagt 300
 cccaagcaa cccgcttgag agttccacta tcttgtaa attcctttaca agttctaaac 360
 acacaaggac attccttcct ttgtgntaga gatcctttac aacaagagac tcacagtctc 420
 ttaatccctt agagaatg 438

<210> 9354
 <211> 485
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9354

acttaccagt tgaagatcng aaaanaaaga agaacgaacg gtgaatatcg aagaacggtt 60
gaaaatcttc gcgtaattac ccacggaaac gttacggaag cgcctcagct tggattttct 120
tcacggaaac aattttcctc agcaatttta agagaataag aagtgctaag aaggatgaac 180
cctttcctct tcaactcctcc tcctatttat agcaaaatag gggaggagct tgccaccag 240
gtcgcccagg caagcaaggt tgcttcctcc agaagcaacc gccttctgga ggaagaaact 300
ggaaggccca agtgggctg attgctattt acaccccccc tctttactaa atgcaccccc 360
cttntacttt tttggtgatt ctttttccgt aacgttacga aactttatcg aatttggtac 420
gatacttatt ttcttttcat aagggtacga atccttacgg atcatgtatn tactctntnt 480
aatct 485

<210> 9355

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9355

agctnntggc tttntcccag tcattgattc ataacttgtc cctgatgtaa gctccattgg 60
agcttgtagg cctatgatct tcttcatcaa tggattcctt tgcttctcgg aagatgaatg 120
gaagcggatg agtctagaag atgctcacca ccataggtgg ccatggataa gagcttggag 180
gaagaatgag atgaatgaag ggagaggaag agaagagcat gannatttgt gctctaaaag 240
agctctgaaa tctgaagttt aatattcaaa tgatcatagt ttaaaaaatg cacacacatg 300
acctctatth atagcctaag tgtcacacaa aattggaggg aaattcgaat atcaattcan 360
atttcacttg aatttgaaat tg 382

<210> 9356

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9356

tgggtggtcctt nctactgggt ggactgatgt tactaaggat gttctctacc taacaatggt 60
 cctgagttct atgttgtctc ctggactact aaaccccgat gtctcgggca tggtcagcct 120
 aatcctaatac aagcatcatc ctgagatgtc tcttggttga ccaaacttaa ccagaaccac 180
 attaagacat aacataccaa aaactaagtt accgtactct gatgtctcgt gaaaatacga 240
 taagctagcc ccgctctatc aggttctaag gatcaaacca tttcccaatg ttgagtgacc 300
 ctaactaagc atgcagttgc gtgatcaagg caaaggccca ctagaattaa gtactaatag 360
 cacactgaac acataaaaca ttattagata aatatgaaag tatntacatc aggtacccca 420
 taggaagaac caactg 436

<210> 9357
 <211> 346
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9357

ttctaggatt canagattta gattccaaga gagcacaat cctagactta tccaaatgat 60
 cttttccata caagtagctt tctcactatc ttttctatt actttgcttc tgaccttatt 120
 ataacaacac aatttttttt tctttccttt ttttttaaca tacaacttat ttgttggtgtg 180
 tggtgatgct ttaccttttt ctttacatcc ctattaactt cactcccncc aaattgggggt 240
 aaatttgctt tgaaccatat gctctcctag aatctaagca aggtatctgg agataattat 300
 ttaagttcaa gggttcaaat tttgacaata tcattcagct cataaa 346

<210> 9358
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9358

ntattcaaga canagcaatt aaagatatcc aagatggatg atcaagacag tctatagagt 60
 cttagaaagg gtatattaa taggaaggga attccaattg aagtagcaaa aggtttggcc 120
 aagaatttta agttaaaaag tcttttacia gaaatttact ctctggtaat cgattaccag 180
 aggatgtaat cgattaccag tagccaaaac tgatttacia acagctatta aaatttgaat 240

tcaaaatttg cctgtgtaa tcgattacca tatatggtaa ttcanattnt aaagcttgta 300
atcgattaca catatactgt aatcgattac cagagcagat tttcagaana tattctcaac 360
tgtcacatct ttttatgtgg ttcttgaatg gctatcanag gcctatatat atgtgacttg 420
agacacgaat ttgctaagag tttttcagaa caaaaagggtc ttatcctctt at 472

<210> 9359
<211> 511
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9359

ngctntanga ataagcttaa gagacatcat tattntgata gaattcaaat tcacatgtcc 60
aagcctagca tgccacacat canaacattc aacatttgca acaagagaag aaatgctaga 120
tattctatta atagaaagag gcataagact taacttaaac aaaccatcac aaatgtagcc 180
tttaccaata aaaacaccat gtctagtaat aacaactcta ttggactaaa aaacaacctt 240
gtatccttgt tagactaaca aagaagtact tattaaaant ttctaatat cagaaacatg 300
atagacttca tctaaaacaa gaaaattccc tagagatagc tctagcttca cttgaccttc 360
tcctaacaca tgtgtcatac tcttattccc catgttcaca gtacgcgtgc ttgattctng 420
atataaagaa aaatattttt tttatcaaca cacatatgat aattagcccc gagatctata 480
aaccaatcat ttgagttaaa acacaattaa c 511

<210> 9360
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9360

ctttatgagg gaggcttcgg gcaacataga tgcttttcaa taaaaggcaa catttgtag 60
atgttctctt gtgtccatac ttttgcagtt gtcgttttct ctgtattatt tatttcataa 120
agccattaat gtttctttat gaggatgatt attttttggtg tgcttgaaat tcaactttat 180
tggaanaaatg aaaattcttt ggccaagtga ttntgtgttg ctaaacgcat gccattattg 240
atctctaagt agaaggtcat acaattttta ttatagttgc agcctttgga tgtgcccctt 300

tccttaataa atttgtaaaa cctacattgt cacttaatta tttcattagt gacactgaca 360
cataattaat gcatatgcag cactntanaa gcataattnt gagcattact aattcagtac 420
tgagattcat tntcaccaan naattagtan ataaattgtg tactacaaaa tcagttttat 480
caatcacat 489

<210> 9361
<211> 198
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9361

agctagctac tacanaagtc cagtgggatt aaatntatta gtttggtatt aattggtgat 60
ggcatcctac tagcatcata cgatntagtg ttgcacaata gttatatcgc aatntatcat 120
gaattctggg tgtcctaagg tgatatatga gtaatcttgg tatgcaacac tggaaagtag 180
taaaatgtat tatgtgct 198

<210> 9362
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9362

atggaccttn tcaggtggtg gagaggatca ataacaatgc ctatagggtg gaccttccag 60
aagagtatga agtcagcacc acttttaata tttctgattt aattcctttt gcaggtggaa 120
ctgatattga ggatgaggaa ccaacagatt tgaggtctaa tcctcttcaa gggggagggg 180
atgatgcaat cctctctagg aagggaccag ttaccagatc catgagcaag agactccaag 240
aggattgngc tagagctact aaagaaggcc ctagggttct catgaatctt anggtagatt 300
tttgagccca tgggtcaagg ttggatccac tcttctttgt aagtatt 347

<210> 9363
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 9363

agcttncatc acatgttgta taattcttct taatcccatt acactacaga tgctcttgta 60
tggcgtccaa tatttgctgt ctcccgttca aacaatttat acaaggacaa aaaaaatttt 120
gtccccaact ggttgacttc tttcgaaagc aaattgtgag agctcttcga aaccttcctc 180
atatgcaagg ctcatgcaac tttcattcat ccaacttcga tccatctaaa taataactct 240
gtgatactcg caaaattatt tgatgcatga aaatctcact ttttcattat aggtgtggcc 300
ctatcccatt caggaagaca ttntttatgg tagcttcata cgtcaagggt aagtctaatt 360
tgtaaatttg aaaaaatttc ggaacatttc gattgatccc aagtaccaac atgaaatggg 420
tggattaatt cccaacatca agatgcctca gaaacactag aatgcatatc cggatttat 479

<210> 9364

<211> 361

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9364

tgtgcattca atatcctgat gaggggtgttc catatgttct caaaactgga ctaatacatt 60
tgctgcccaa gtttcatggt cttgtangtg aagatcctca taagcatctt aaggagttcc 120
atattgtttg ttccaccata aaactccctg atgtccaaca agatcatatc tttctaaagg 180
cttttctca ttctctagag ggagtggcaa aagattagtt atactacctt gctcccaggt 240
ccattttcag ctggtgtcac aacataccct tcggcgga aa ggcgacgcgg ngctcgcacg 300
tgcgtcttcc acgaaaggaa aatgcgcgga gtcaccacca acgtttatgt gatgaaaacg 360
t 361

<210> 9365

<211> 600

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9365

ctgtgcattt cttctttctc catcgccaat tttagtacat catntacctc nttctnnnnn 60
nnnnaaggcc gatgcgctta gacctctgaa accgtgcgac cgcgatcttc tagtcaactga 120

gctgcagctt tcgatataac ttgtcccgtg tgggcnacac tgtgtgtcga gcattcttat 180
acttcgtatg cgtactatct atactccgcg gtgaccggcc taacgcatac tacttatgtc 240
gtctctcgct ccaccttaac ggaaaataaa ttcccgcgaa cggtcgaagt cgattatcca 300
ttaacttcgt gtaaaataaa tccggaccgt cgagatagcc gacacacatt tgatattaaa 360
ataggtagaa ataataact aatctaaca catcttttat tgaataatgc cgataacaat 420
cggacgattc ttctgtggat gtttcattct aatcctattg actataactc aagtgaatta 480
atgcttaaag aagtcgcta gtcaggctgt cactaaataa ggtattgagt gtttatttca 540
ttctcactag taaaggataa ttttaagcca acgcttatat gtatctctaa atcaaaaaag 600

<210> 9366
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9366

ntaacanaat ggaaactcta aagcctaggc ccaactatag agctnttaaa accgtaaagg 60
tttacattat gcttgttgcg taaatgccgg ggcgttctc cactcgccaa tttcccagct 120
ggaaatcagg agagcatggt cgtaccaaact ccaaagtact cggaatatca tcttcgcata 180
tcgcgaacgc ttgacctttg tctcccgaac ccgcacttat aaagcttcta cttatgtggc 240
agggcgggct tccttcacct tcttgtctcc aacgcgaact ttgaccattg ttcttctctc 300
ccgcaatgct tcttttcatg tctgcttgag cgggcttata gcctanacca tactctccac 360
gatttccttg agtatntatc aggctagtta tgccaccgct tgttnttctt aaacccatcc 420
cgggtcaaaa ccgttcccca cataactcgg ccatcata 458

<210> 9367
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9367

atcctctgag tcacctgccg catgcaagct ngctctanat tacatngatg ttgcatctta 60
tgggaggagg ttatatgccg tttttgcttt aagagtaatg tccactgggt aaaactaacc 120

ttccaaatgt ttgccttcgc aggaatggcc ccgaggaagc ttgcctcana gaggtccagg 180
aaggacaagg cggccgaagg aactagttcc gccccggagt acgacagtca ccgctttagg 240
agcgttgtag accagcagcg cticgaagcc atcaagggat ggtcgtttct ccgggagcga 300
cgcgtccagc tcaaggacga cgagtatact gatttccagg aggaaatacg gcgccggcgg 360
tgggcaccac tggttactcc catggccaag ttngatccag agatagtcct tgagttttat 420
gccaatgc 428

<210> 9368
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9368

gcagcttaca tatgcttggt gcttgacatt acttcagagc gcaattgctc ttcccaagaa 60
agcattgttc tcaacagggt cacctaaaag ataaattata aacagtgtca tgtttcataa 120
atcaatctac tggaataacg gggggtaata aaacatcaac tttcactttg catgggtggca 180
gacaaacaat actcttatac ccaaattttg gccaactccg caaattagac taaccaattt 240
ctaccatctt agcgggtgtt tgaaatttta aatttgcaac tataaccatt accaaaaata 300
taaatgatct gcaacanaat atatttggt ctgggtcgag caaatttcag acaagtgaat 360
caacaacttt ttagcatgtg aatagtcagt gacactg 397

<210> 9369
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9369

tactcagctt ccaaccacga cgacggcgcg aagctcggcg aggacttcaa gggtgtgacc 60
gtcgacgacc cgccggaana ttgccttcac ttctcgggtg tctcggaggc gaacgagagc 120
gacgcgccgg aggttgatat ccaacccgac gacgcgggtg cgatgccgtt ctcttnccggc 180
acgacggggt tacctaaagg agtgggttct acgcacaaga gtttaacaac cagtgtggcg 240
caacaagttg acggagagaa ccctaacctc tacctcacca ccgaggacgt gtccttatgc 300

gtgcttncgt tgtttcacat attctccctc aacagtgtgc tnttgtgcgc gcttanggcc 360
 gggagtgcgg ttttgttgat gcagaagttc gagattggga cgctgttgga gctcatacag 420
 cggcacccgcg tgtcgggt 437

<210> 9370
 <211> 349
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9370

tatgttcacc tgctgcattt agatcaaaat tcanaatctt caatgctcaa taggctttgt 60
 gcccgaactc aataggttaag tgacaagntt tgccatagat aaattggaag ggagtcagtc 120
 ctataggagt attgtatgca cacgtagctt tatctaattt ttgagactag tccttccttg 180
 actgagcaac tattttctcc agaatcttct tgacttcctt attagaaact ttagctcgcc 240
 caatggtcta aggatggtta ggtgaggcta ccttgtgtct aacactatag tgttggagaa 300
 ctttcttgag ttggaatgta tagatatgag atcctctatc acttataaa 349

<210> 9371
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9371

gcttctccca atttctataa tagggggaga agtgaagtag aanagggttc agccccttag 60
 gcacttctct ctctttcgaa tttgcttagg aaaattgttt ccgtgaagaa aatccaagcc 120
 gaggcgcttn cgtaacgttt ccgtgagtga tttcggaag gttttcatct gttcttcacc 180
 gttcttcacg cgttcttcgt tottcaacag gtaagttttc gaatccgaga ctctcaattc 240
 atttcttggt tttgttaagc tttcatcttt atttcgttca ttttcgattt cttttcttcc 300
 ttctttaacg cgctgttacc atttatttaa gccgttttct cacctaataa atgataaaat 360
 gaatttcaac cgatcatttg tgttgtaatc tcatttaatc acttttaaaa cgaaatctaa 420
 tcgatcggtc acgctataac ctccggttaaa ccacaaaaaa gtaaaataat caaaatatct 480
 tggaaaataa taat 494

<210> 9372
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9372

agctnntgaa gtagatatta tttattatta taatacatgc ttatctattn gttaagtatg 60
 tnttgtagtt agttaattga gacttgnnggg tgtatatcag tgttttatac ttactacttt 120
 gatttgggta gtgtgtgtat attacataga gtttatattt tattaattaa ttgacactaa 180
 agatgttata gttttgctat gatatgaatt tgaaaattat tcgagtcgat gtatatgtat 240
 atgggttggg tcttgtaaac attgctacga atgtataata tgatatatga gaataagtga 300
 agtatgcgat gaattgtgag ctatgaactg tgtagtcaca caactataat actctttaag 360
 ggcgacgagt tcatgcgcaa tgagttttgt gatgggcttc actatgggaa ctgcacgagt 420
 taatcac 427

<210> 9373
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9373

ctgtttgaaa agtacagtgt ctntgaaagc tataataact acttgcaagt tgatgctgat 60
 gacttgcaca attggaaagg ttgggtggaa tcatgccttc accaactaac tttgatggtg 120
 taaaacagat gttagtcaac tgttttttat tggcaagatt attttacttg actgaaacta 180
 aaagaaaggg tgttactctt tctaactctg ggtaagatt taaccaattc tgttgtgatt 240
 tgagttgtaa atcgaagcaa tcattcacga accgcgtttg ttctataatt ggatcatgtg 300
 ttttatgtgc atagatnttt tcacctatgt atgttgtttc aatacaataa gttgaactgc 360
 ctgggtccatt tctttgtaat tagaagctnt atatagataa acgtcatana ctagaaattt 420
 cacaactcat aatgatgtta ttatntgata ttttcatt 458

<210> 9374
 <211> 330
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9374

agctntccta caagtcctaa ttganattct aaactagaat caactcactn tagaatccaa 60
tttccactaa ccccaaantnt ggctttntaa ccctcaaat ctcacactnt tccacctaca 120
aactaccat tctcacattc aactctaagt taactctccc catcctctct accaattgtc 180
tatctaacct ttaagcatac atatatctca aagcatcatt attaaaccct taatcaacat 240
gcgtagttnt tcttacatca aacatgtcaa gtttagcata attacaacaa tttccttcac 300
aaacaactac cctanagcaa taacctagta 330

<210> 9375

<211> 473

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9375

tctataatgt tgcattctac taatatatgg agttggccac tgcttcgcct gagtatgaca 60
attggtagac cataacaatg ctatcgacgg taaaggacaa cgatttttca aataaatctg 120
tcgtacatgc aaaaataaat aagtattaac tcaatcgtac acaactgatt gcataaatat 180
aaaaaaattt atatctacaa tgtacttgaa caaaatgatt tccatagacg tgaccgatac 240
aaattatgcg atgcatcgaa ggatcntccg gtgggtgact tctaagagga aagaacgtca 300
tgctttgtta gtgagacaag gatataatga ttacattata ccatgatgca atcacatata 360
cncatgtcgg ntatatccat ccaattatcc atagtgacct gaacgaaaca aatatagacg 420
tcaaagttta ttttatagtt aagtottata aatcaaaaac acacattaaa tac 473

<210> 9376

<211> 440

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9376

gaggaacaca accatcaaca tttaatttgt tggaaactta ctctagggct tttaacaaat 60
gaagggcaaa agaagaggac atatatgaga gcaagatgac aactttaaca tatatcagca 120

tacagtgaac catgttcaat tcatatgtat atatttaaga gatatactaa taaaatacaa 180
attatgttgt tagtccttca atgtttatca atctttgttc ttagtcctta aactctactt 240
gatcggctctt ggtttcagaa ttanttttct tcaatatttc taagttctat catcatagag 300
atztatctgt tggttttata agattcattg ttaatttcta gacgtattaa tattttttct 360
acatactctt attttagtat ttattttaaa tattataaaa ataattaaga gataaaaaag 420
aaaaacatta tttaaataac 440

<210> 9377
<211> 495
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9377

tgagtcgctg atatccacct agtccatcat atttagttcg cagattctac acgtctccaa 60
acggaccgaa tctccgtgac tctgtctcta tgctagttcg tgctaggtca tttttcactc 120
ttntttttta gtaaaaggaa tattttatgc atttttttta tctataaaag atttcattgc 180
atttttcaaa gcttattttt gacttaaagg ccttaggttt tgggtataccg tatacttgta 240
ccaagtttta taaaaataaa ttgtctatct ctttttcata aaagtatacg agaataattct 300
tatgtggcaa atgaacaatn tttttcctca ataaatagca taaaccttat taattatttt 360
ctaacaattt ttttacctcc ttttagtatt aacatcacct cttagctgag tatattgaga 420
acactttaaa agtgcttctg aaacattcat ttgggtgctag agggaaatat gtacacaata 480
cacatgcatg aattt 495

<210> 9378
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9378

gcctgatcgc taagcgacaa cttatccttg gctaagcatg acctattgtc accaagctaa 60
attccttatg accataactg aggttcatga agctaagcgc caatcatggc agctaagctg 120
aattccttgc agcaatgtga gcgctaagca agtccttatt agctatgcgc atgctcctct 180

atacttaaga tgcatacatt tagctaagct ggtagagcc tggcttagcg agagttgcag 240
 cttttcggat ctgcaaacct cactaagcgg ccttatcctc gcgctaagcc aagcttgtgt 300
 ganatattaa aaaaaaactt attttgaatt tgaaacgttg gctaagcgcg tgggtccact 360
 aagcaagcct tggtagagaaa ccaaatgtct ctctggctcg cttagcgcaa cagtncgcta 420
 agcaaaagta tcgaaaaact gcttaagtga gtgtacgagt agtacatcac a 471

<210> 9379
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9379

agctntatnt aagtcatacc tctaagcaat atgagactaa tcacacctcc ttgaggctat 60
 aattaaagtg ggctaagggt gaccacaatt aaggtaactn tacaacaccc ncttcatgcc 120
 cagagctatg gacctagagt gtggtgttaa gaaccttggg agaaccacac cacaaaagcc 180
 aattattgtg attagagagt catagaatgt gggtttgagc ctatctcaac cccaaaagct 240
 agctcatagg tagggttgtc tccaattat atattctgtt gtggtcttat ctctagccaa 300
 tgtgaggctt gagtnttct aaacacaccc cttcatgctc aacactattg gacttgatgc 360
 gtggatgaca tgggtgggagg gcccgtaat ggatctatga tagactctaa tatcatctt 419

<210> 9380
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9380

ctataatata tagtcacctg caccaatgaa agatccattc gcaatagtta tggtagccttg 60
 gctgctcaga gtgataccaa gatttagcag agttgctcct aatacggtat acatagttgc 120
 catttgtaaa gccgttgctt tccgagcagc tctttcagac tagcaaatca agttaaataa 180
 tttcaaattt acaaaacaaa agttccagaa taacgacctc cgaattagaa aattgttctc 240
 attaggaaaa tgcttagaaa tacttgggtca cacatagcat acaccatgtg aagaaaaata 300
 aagatttaac tattcaattg gtcattatga ttatcttcat tntaagttgt agtccttata 360

tgaaaaaant tgtaagctnt aatcatataa aagttacatt tctgtttgct aacactagag 420
tccggagaag tattgtggac gatatacaac tgттаataga cac 463

<210> 9381
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9381

tgcaagcttc tctgaccaat atgatagatc aagataacag cagtagcggc tgcaacagga 60
gctgaatatg caacagcaat ccaaggacgc atacccaaac gaaaactaag ttcccactca 120
cgcgccatgt agcaagctac accaagtaag aagtgtagaa caattagttc ataaggaccg 180
ccgttgтata accattcatc aacagatgcc gccttccaaa taggataaaa gtgcaaacct 240
atagccgcag aagtaggaat aatggcacca gagatgatat tgtntccata aagtagagat 300
ccagagacac gctcacgaat accatcaata tctactggag gggcagcaat aaaagcgata 360
ataaatacag aagttgcggc caataaagta tgaat 395

<210> 9382
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9382

catcctggtc atggatagat caccaggtt cgggtccata agcagtgaca attgcctgt 60
gaagactcgc tttcgctacg gctccggtgg tttcccttaa ccaagccact gcctatgagt 120
cgccggctca ttcttcaaca ggcacgcggt cagagtcccg agcctcctcc cactgcttgg 180
gagcttacgg tttcatgttc tatttcactc cccgatgggg gttcttttca cccttcctc 240
acggtactac ttactatcg gtcaccacgg agtatntagc cttgcaaggт ggtccttgct 300
gattcacacg ggattccacg tgccccatgc tactcgggtc agagcgtaag ctagtgatgc 360
tttcggctac tggactctcg ccatctaggg tgcagcattc tctgctgctt cgcctagcag 420
cacgacactt tgtatagctc tccacaaccc cgttntcacg gtttatgctg ctcccatttc 480
gctcgccgct actaccgg 498

<210> 9383
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9383

agcttgtgat ggttcttcac caatcacttt gttccttcca tttccccaac ttcaaattca 60
 tgagtacttt tgacgtgttc ctctntatcc actccttcca cttcaaccgt tttgtctgca 120
 gtagtgcatg tttccgattt ctctggctcc ccagatccac gatattcttt tgtctcttcc 180
 tgtgggtgct caatctttac ttcactcttt ctccagaanaa cttcagagcc ctccagttcct 240
 ttgtcatcaa ctttatcttt caatgcaggt agttctccat cagcagcatt ggacttctcg 300
 tcaataggta cctcaacatt ntctacagct ttagcttctt ctccagaaat agtggatgtg 360
 ttgacatctg tatcttccac acactngtca tcttgatttt ccttacaaca tccttttctt 420
 tcctata 427

<210> 9384
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 9384
 acactatgaa actaagctgt agaccgggcg atctgatcaa acatgggggc gcgctcaaca 60
 cacttcatct ataacactca catgtggagg tgaacttata aattaagggg tgcactcaat 120
 aaactatttc tggaagactc tcacacgagg tgctcttaca aatcttgctc acgaaacctc 180
 ttagcaggga ccaccttccc tattctccta taaatacggg gaggaggctg actctcaatg 240
 gcctctgacc tctatgctga gtatgaagtt g 271

<210> 9385
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9385

tgcgcgatgc aagcttaatg attgagatat ttttaagagat tctccttctt tctctaattc 60

<210> 9388
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9388

ttggtcttag ctcggtctgc aagtttgca tatcattatt gtgattgcaa aatgtggatt 60
 ctgaaacaga taacaaagaa gtggcagata agaggctttt gtctttgaat ccaacttatg 120
 ctgttggttt tttgaggaga catagtatgg agttgctcat gctttggcta agacatctcc 180
 atccttcaact agtcttcaag ttttctatca aactccctat ttcattgctc atttaattaa 240
 taatgaaatg ccttgaattt gctttcgtca aggaaaaaaa aaagagttgg gtggtaaaca 300
 aactaaatnt aaaaccctgc agagagaatc ggactntntt tttggtttga tcttatnntg 360
 tagtttctct ctctctgatg gttcttttct attctatatt ctatntatag ntata 415

<210> 9389
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 9389

agctgggttc gaggtactta cccgttgaag atcgatgaat gatgaagaac gaatgaagaa 60
 cgtcgaataa cgggtcaaac ctctcgcaaa ttccttatgg aaacggttac gaaacgtttc 120
 ggaagcgcct cggcttggat tttcttcacg gaaacaattt ttccaagcaa attcgaaaga 180
 gagagaagtg cctaaggggc tcaacccttt ttcacttcac ttctccccct atttatagaa 240
 aattggggga gaagcttgcc acccagctcg cccaggcgag ca 282

<210> 9390
 <211> 155
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9390

tattgagctc gatggtaaca agtgggtggat gtaatccata aacctatcat cgatgctcct 60
 gaagttgggg ttattacttc aattgcaaaa gactcattca taatttccaa attggctttg 120

taaggagata ggcaaatacta gntactcggt cataa 155

<210> 9391
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9391

atggccttatt ccctagtggg tggngcctcc cctctcctct tctcctttgc cttccgctgc 60
atctacatgg tggaaaatca tcattgaage tcatagatct agcctccata gaagctccac 120
aagcaagctt ccatcaacat gacttgaaaa ttgggtattg tccttttcta tatttcttat 180
attacttttag ggtcgacaag caagctccac aagcaagttt ccatcacatg tagatgaggt 240
tcaacaatat attgatgcaa gatggatntt ngctctagaa gttttgtgga agatatttag 300
aattaccctt tacagaatat atatgtgtgt tgagagatta caaattcatt tact 354

<210> 9392
<211> 155
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9392

agcatccatt gcaacaaaat ccttcatata taccattggc caaagcccta nattctgctt 60
cagcaatgct tctagctacc acaatctgct tcttgcttct caaggcacca agttctccct 120
cacgtgatat aatatggatg aaacaccaag attca 155

<210> 9393
<211> 359
<212> DNA
<213> Glycine max

<400> 9393

atttcactat aatctttgat actaaataat acccttacag aaaaaaaaaa cgaatatcaa 60
gacaaacaat tagctgaata taacaatact tatgctttca aaacataggt tttcgggtgtt 120
aaattaaata gcaccgtaaa taatattgcc tttttatcaa gcgtattcct gaatctgttc 180
atatttgaaa ctataatcac gtggccttatt ggctttgcat taaataggaa taagaatatc 240

taaaagacaa agttcaaagt taatgcaatg actttccata taaaaaaaat tgcctttttac 300
cggaatatca acaatcaaag cacatcccaa tatccaattg caataaaactc tcttacaaa 359

<210> 9394
<211> 494
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9394

agctcgctgt gagagaaaat ncacgtgagc tcncatccat gtcagatata gcatcttggg 60
tggagcaaac tgtgaaggac cgattgttct tatagcatta gtcactgcc tgtgagaaga 120
acttggtttg aaatttgatc cattcacaaa tatctttttc attaaattct gtgagtaaag 180
ctctctcttg cgactgtaaa tcgggtttcca gttcgtggac atcgcttata tcctttgtag 240
tacttctttg ggtttacttn tcctaaatct taccaagtga aggacaatga catgggatta 300
tcgcaacaac atacacactt ggggtttatct gtacatgcct atgtgaattt tttccctcta 360
tatagcagga caattccgca tttaatagag tcatttaact gtcaacagtg acttaaattg 420
tttccaacat gaatcttttg gtcggcctag tgattaataa tgtgcacttg tcttgcttga 480
ccacacttgg cact 494

<210> 9395
<211> 125
<212> DNA
<213> Glycine max

<400> 9395

ccgcggtga gagttatgaa gacttgaaca catgcattag cacttaacat cttggaataa 60
ggctttaagc atgtatgtga ctactetaac ggtcactcta ttctcgcata acaacggccc 120
atact 125

<210> 9396
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9396

acgaacgaag aacgncgaat aacggtcaaa accttcgcga aattccttat ggaaacgtta 60
 cggaacggtt tcggaagcgc ctccggttgg attttcttca cggaaacaat ttttccaagc 120
 aaattcgaaa gagagagaag tgcctaaggg gctcaaccct ttntcacttc acttctcccc 180
 ctatttatag aaaattgggg gagaagcttg ccaccagct cgcccaggcg agcagggttg 240
 cttctccag aagcaacagc cttctggagg aatcttctgg agggcccaag tgggcctggt 300
 tgctatttgc acccacatta ttactaagta caccctcctg cccttttttg ggattctttn 360
 ttcgtaaagt acggaaactt acgaatgtcg taacgatact tggtttcttt ccttaatgtt 420
 ac 422

<210> 9397
 <211> 179
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9397

gctatacttt tccttaaaaa ataagcatna gcatattctt taatgtgagt gaaaacaaaa 60
 agagacaata tatctgtaaa tgttacatgg cacataagtg taataaagat taatgaataa 120
 gacaaaagga gtcgagccca accccataaa aaatagttgg aatgaataaa agtacaagc 179

<210> 9398
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9398

aagcgacctg cggcatgcaa gtaannaact catcaatcac actgtgaata tttttatatt 60
 cttgtaataa ttttttttca tttgtaaaat tttaatgaag gagattgagc ttcactcggc 120
 gaacgaaatg ttgatatttt ctgaactcct ttnttggtgt taattgtttt ggccccattt 180
 tccctaacaa gccaaattcc taacatgaca ataaatgaag gttgtatgct tcggcacgat 240
 atatacgatc agttctgtta ctcttacgtc ataaagaacc agtaaatact cttttgcaaa 300
 aattcaatcc atatgtaaaa agggacatat aaaaagttgt gtatagtaaa agcataataa 360
 aattatacaa ttaaatgaaa gaatcataaa tgttttgatg tagaaaagga aaattaacga 420

aatcatcca cactaagccc actacttaag gtgaaactta cagtgaagat attgggctta 240
 gcgcagcgat gtgtgcttag ttgaaccatt cagcttaatc aatcaagggc ccttgcgctt 300
 atgaaagggg ctatctattn taggactcaa aggggtgtaac cacctggatt ggccttagtc 360
 atgcaccata tgcagcanat catgt 385

<210> 9402
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9402

agcttcaggc tgctcaattg cttcagattg ttgatataag gtcaaaggtc tgtgtggtgg 60
 tcggcagagg agcataaacc acagagtctg gctacaagtg cagatntttt attcatggcc 120
 agttgggtta ccagggttaac caaggcctct agtttacctt caagcttctt agtctcgatt 180
 gatgaagatg aatgcgtggc tacttcatgc actcctctaa tgacaatagc atcacttttg 240
 gcactaaatt gctgggagtt ttaagccatc ttctcaatta aatntctggc ttcagcaggg 300
 gtcattgtct caaggggtcc accactggca gcatctatca tacttctctc tatgttactg 360
 agtccttcat aaaaatattt gaggagaagc tactcagaaa tctggtggtg agggcaactg 420
 gcacatagtt tctt 434

<210> 9403
 <211> 193
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9403

tggatgtagn ggtggaggag acctccttac ttcactctac ttctttctca ccatgactca 60
 nggagttctc tttcttctgt ctcttctttt acttttattg cacttgtcca aatttaattg 120
 attgctttga ttggtcttga tcttatgatt gtgctacatt gacgacaatg tgttgtttaa 180
 gtgtgagggg gtg 193

<210> 9404
 <211> 446
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9404

agctnttcac ataaaaaaca acttcatcat tattatcatc atcggtaca ctaaatacaa 60
tgcacaagaa gcatatctct ataggaacac atgcataaac acaagacata aatgttaatg 120
tagcataata atgacaataa caacaataac aaatatatta taaacaacat aacaacatcc 180
aaataagggt tctcattaag gtatattcct agtactcaaa acttaacact tacaacactt 240
aagtctgaca aatccccaca actgtgttgg tgctcatgac tatcaatttc ttttctagta 300
cccttctcac acatctgtgg gctaggttac actattggtg gtgaactctt gaggaaaatt 360
ctcttctagc ctctttccaa cacatatgtg agcatagcca actagtgcga gcgtgtcaaa 420
aattttgata gcaaaatttt aagttt 446

<210> 9405

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9405

atactaagct tctaaacnta tacaagaatg aagctccgat accacttggt tgtcttctnt 60
aaagatcttc attcaggttt tccaataatg ataaccctca ccattgaaca tatgagccta 120
ttgatagaat nttctcaga aaatggaaat ttggatgagg ccatatctat tcttgaagtt 180
tctaaacttt atacaagaat cctgctctga taccacttgt tggaccttgt ggcctcaata 240
atcttacgag ggataggctt agaatacaga agaagcaaca acaatcaatt taacaatggt 300
ctttaaacat gcaagacaca attgattgca acaaaataaa taagataagg gaagagaaaa 360
tgcacacaca actttatact ggttcgggca ctttccgtgc ctacatccag tac 413

<210> 9406

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9406

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tacaactaaa tccagattta gctcttcaca tccttaaagc atcggaatgtt tccactcata 120
 tcactacatt ctactatatt aaccctagge taactctact ctcatctct atcagctttc 180
 catcagccat ntgagcatac aagcatcaca agcatcatca tagaaaccct ataacagaat 240
 gggtaagctt gactcatacc aaacatgaca aggttaacat ggctttcatc agattcttca 300
 caaataacta tcatgaggca taaacctagt aaaactaccc atcataactc ccgaaaccca 360
 ataccacga tagatcatgt gagaggaagt cta 393

<210> 9407
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9407

tccatcacga tgcctctcat ngccncaacg taaggctttg agtggttcaa tangcatctn 60
 tcatcatgac cttgtacctg tgaacctatt gaggtagaac ttctaactctg ccctaggtt 120
 tacttgagge tcatgcacgg tgcctctcat tggcctagtg taaggctccg aggtactaat 180
 cgttgtcttt cgtcatgacc ttgtagtacg gaacctattg tgtgagaact tctaatttgc 240
 cctaggttca ctgagggttc atgcacgatg ccctcattg ctccagtata cggctctgag 300
 gtaccaatcg ttgtctatcg tcatgacctt gtagcatgga acctattgtg tgagaacttc 360
 taatcctgcc ctatgttcac tggagggttca tgcacgatac ccctca 406

<210> 9408
 <211> 365
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9408

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 tcgatcaata tcggtgaata atactctttt tgccgaggtg ggctaattgt ntctggccg 120
 aataaatggg aacatgccag tttcgggcga aacgaaacat cggttgagct cgcacgaaaa 180
 aacctagccc acctacattg taagtttttt atgcaacacc gaaacaagat aaccttccct 240
 gccgtaagaa aaacattatc gggcagcgag cttttttctt aanaaaaatt gcgcaatgtc 300

agctgaaaat atcacgccgn gccatttcac gaccgatgtc gtgtattctg ttgtttattc 360
aatcc 365

<210> 9409
<211> 539
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9409

ggcagtatac attcgannac ggagagagtg aggaggaagc cttgttcgag gtacttacct 60
gttgaaaatc gatttacgtt taagtactat tgaagaatgt ccaagaacgg gtgaaacctt 120
tgcgaaattc ctacggaat acgttacgga aacgtntctg aagcgctcc gcttagattc 180
tcttcacoga aacaactctt ccaagacaat tcgaaagaga gagaagcgcc taaggcgctg 240
aaccctatc gtcactactc tcttccctat ttatagcaca ataggggagg tggttgtcgc 300
ccagctcggc caagcgagct cagcttcgcc atccgagctc agttgcttac tccacaagca 360
acatccttct cgaggaatat tetggacgcc ccattggggc ctgggtcactc tccatctcca 420
tcttctctat cccatctat acatcttctc tccccccatt cctctccacc tcatctcttc 480
ctctctctcg cccctccgc ctccatatct gtcgcccact ctgtctgctc ctctctccc 539

<210> 9410
<211> 157
<212> DNA
<213> Glycine max

<400> 9410

ttaatatacg gatccttaat cgaacatttt cttcttttct tcttcacat ttaagaattc 60
ctttccttgc tctgatagag ctcaaccaga gccaaagcttt gataccactg agtcctgaac 120
acactaaagg ggggggggtg cgctttccgt cttatcc 157

<210> 9411
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9411

gttcgatcga ccttatatga agaagaaatg gactttcttc tgcttacata tttattcaag 60
attattacga aagttaaaaa taagtcatct atataaaatg caaaactgat catgttttgt 120
tttacttttg ttttggctac aacctccccg acaaaaaatg cacaggcact tttttctgca 180
tggaaccg gtgagacgat gccattcata tttgacacgg taacttatta tttatcatgc 240
agatttacca tatggagcca cttaatgctc caactgattt gtttgaattg taattatgag 300
ttatgatagt ttaaacttac gaatagtttg gttcagaaat ggtgtattat tccttgatct 360
ggcaggctcg ggacttgatt aaattggcag attatctaac acacagagag gatgtagacn 420
cttctaggat aggaatcact 440

<210> 9412
<211> 332
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9412

agctntacgg gtatacagaa caacatataa agccctcata tgacttatct ctttnccagn 60
nngcctatgg aaaatcttgt cacctaccta ttgagttgga acataaagct ctttgggctt 120
taaaatttac gaacttcaac tcagatacaa ctggtgaaca taggaagctc caactctatg 180
aattggagga actgatggtt caagcttctg agaattccaa gctttataag caaaaattaa 240
aaatctatca tgacaaaaag ctatcaaaaa gaaattttca gcctagtcaa caactattgt 300
tatttaattc tcgattaaga ttgtttccag gt 332

<210> 9413
<211> 261
<212> DNA
<213> Glycine max
<400> 9413

gagcacagga cagtctcatg gcattgtata gtgaccaacc tgatgccta tgatcaaac 60
acaatgcagt gaccatgcat tgaaagcttt ccaagaaaca cattaagtcc gggctcaagt 120
aacgaactgg aaacttctcg cttatgtctg gttgaaacga gaaaacaagc ttatgatcat 180
atagtgattc tattagttct tctatcaaga gaacaagtgg tcatataact tataacgatg 240

cctacttgaa ttatgaacca t

261

<210> 9414
<211> 321
<212> DNA
<213> Glycine max

<400> 9414

tgcacgcatg catgcttaca ccacgggtggt cttttagtag aagtgttcgt tatcttgcaa 60
cgaaggatat gtaaaggcgg atctgtgtta tggatataac aacactggag ggtgccaaag 120
atggcaagat ttaccaaagt gtaggaatcc tggcgatttg tttgtgaaaa agactctttt 180
ccccgattat gaaaatgtaa cttttgaaat gaatccggct tttggctaca gtgatcgtga 240
ggccagttgc tggagcaatt gtagttgcga tggattcagc gcatcatggg ttaatgaaac 300
tggatgtaca ttctatcatt g 321

<210> 9415
<211> 225
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9415

aacaataaat gaattgaaat tctcgaattt gaacacttac cggttaaaga ccgaagaacg 60
aacgaagaac cgtgaagaac ggtagaaaat cttcacggat tggctcacga aaatgtctcg 120
gaagcgttac aaaagcacct cagcttggat tttcttcacg aaaatacgtt tntttttact 180
taaaacagct gaaatgcata gcatangggg caaggatcct ttgga 225

<210> 9416
<211> 318
<212> DNA
<213> Glycine max

<400> 9416

cttggccttt atgctgttca ccatgttgct ctttctatct ctattcattt tccatagaca 60
ataaatgact agcagatcat ggttactcgc ttcttggagt gtgccatctc aaagcaacac 120
agagagcatg caaatccagt gcacaattct cccaacagat gtcaagaatt tggatttaaa 180
ctcatcatca ttcttcttca ataacatttt cataatcttg ctctttttga ggcatgtgat 240

gtcaaacaaa tcaccataga gccttttgct gtcaacatgt acccccaaaa gattcgacaa 300
atgcttttct atgattag 318

<210> 9417
<211> 255
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9417

gatcttagag cgacctgcgg catgcaagct ngtggtttct ttctcattct ctcaaccaat 60
gngtatatat agaagagagt gagagaagag aaggtgctcc tcctctcacc gctctttagt 120
tcttcttcct tcaaaaactcg aatgacccat ttctatgttt ttctgtactct tgcaattcct 180
gaggtaaaga tacaagcttt gctcttctgc tcaactggatc gggttccagg aattcaaggg 240
taggttcaaa agggg 255

<210> 9418
<211> 220
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9418

agcttgcttc tcaaagctaa taatcagctg gcttagntgn tggttatgaac ataggcaact 60
acgattntat tatgaagcac gtatctctta cataggggac atcccactac tacaaaaagc 120
agatttaaca tcggcagttt aacatcggtt tttaacaaaa ccgatgctaa cgtaaagtgcg 180
gaggcataac tgtaaatact acgtatcgat taacattggt 220

<210> 9419
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9419

caagcttgaa tgctctattc aatggagttg actagataat cttcagactg atcaacacat 60
gcacagtggc caaggatgca tgggagatcc tganaaccac tcatgaagga acctccaaag 120

tgaagatgtc cagattgcaa ctattggcca caaaattcga aaatctgaag atgaaggagg 180
aagaatgtat tcatgacttc cacatgaaca ttcttgaaat tgccaatgct tgcactgcct 240
tgngagagag gatgacagat gaaaagctgg tgagaaagat cctcagatcc ttgcctaaga 300
gatttgacat gaaagtcact gcaatagagg aggcccaaga catttgcaac ttgagagtgg 360
atgaactcat tggttccctt canaccttg agctaggact ctcgata 408

<210> 9420
<211> 292
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9420

ttcttgcttc tttttcttcc ttctttgtgg gaaacacaga ttgagtgtct ctctctgaaa 60
gacgcgataa ctcatgagac ctcatcctat ctttttgcaa atctcttcgg cggtccctc 120
agagtgtatg ttttgtctga tttagtcact tgacaacttt ggagtgactg caagagagcc 180
atttgacatc taatcaatca atcgaaatat tgatcctang gttttccctt ttctcttaa 240
aactttgatt attctgcaca acaagaaata cataagactt tgggatcaat cg 292

<210> 9421
<211> 135
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9421

agcttgagat ttccaagtgc caatnncgcc tcttcttatt ccagtcttct tctggcttca 60
attcatcagt gggctttcct tctgtgtcca gcatcttggg atgatcccag cctttgatga 120
caggtttcca tgttc 135

<210> 9422
<211> 436
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9422

agcttgaaca ccacatttcg atgtcgggtc ttgctttgtg ttnattntnn gnnaaacnc 60

ataagattta cattataacg gaacagttta atcaacaaaa attacatcat gtttgaagtg 120
atgaaatggt gtaaaaatgt gaaacattag actagtatga accactccat tcgacttggt 180
gtttgtgctt catggattca agttgcggtg ttgccgcgtg tttgtcggtc atagattcaa 240
tttcacgcta gcaggcgaat tcagagttta aaataagaga aacacaaccc aaattcacat 300
tgtaatgatg gtggtgagtg aggagccaag atctaattgt ggagacctat aaacaagggg 360
attgtgccc a tctgactgca attgcaatat atatccactt ggttgcaagt ggaatagaat 420
aaacccttca acaaaa 436

<210> 9423
<211> 285
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9423

cgaatgattc gctattctct tgtatatatt ataccgactg gtactctgga atntggactc 60
tactacttgc gtgcggcaaa gttcaattct atgaccgtgt gttgcagtta tcagaaactc 120
tggaatctgg aatctgggtt taatttctact acaatattcn ttataatac tcaatggctc 180
atactcatta ctactcctg ttctgtctct cagtgtctca acgattccct gccacaata 240
tagatttgtt ggtctatgat actactgtca ctgtactcca actca 285

<210> 9424
<211> 409
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9424

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tacgagacat cttgccaaac aaagtcaggt taacgataac tcgcctgtgc tttttcttcc 120
attctatatg tagcacagtc attaattccag tcatgtttga tgagttggga aatgaggccg 180
caattatact gtgctagtgt gagatgtatt ttccccctgc tttctttgac atcatgattc 240
acttggttgt gcatctggtc agagaaatca aatgttgttg tcctgtttat ctacggtgga 300
tgtaccgggt tgagcgatac atgaagatct taanagggtg tacaagaat ctatatcgtc 360

cagaagcatc tattgttgag aggtacattg cagaagaacc attgaattt 409

<210> 9425
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9425

ccatccagat gtaatcgatt acatattgtc aaatctgaat tcaaattctct aatagctggt 60
ataaacagtt tcaactgctg gtcacgatt acatgctttg tgtaatcaat cacatatcgt 120
caaacatata taaaatcatt ttaaaacatt tcacgaagca ttttggtcac tggtaatcga 180
ctacatcttc tggttatcga tgatcagaga gtcaatctct tcttaaaaac catttaactt 240
gaattctttg gccaaacctc ttgcacgttc aacttggaat tcccttccta agactctaga 300
gatcttcttg atcattatct tgaatctctt gcattctcgg attctcgtct tgactacaac 360
tngagaagcg tgtgatcctt tggcatcatc aaaacatcag aatgtcattg cttctacaca 420

<210> 9426
<211> 176
<212> DNA
<213> Glycine max

<400> 9426

gtgaatttag aaaggaggcc tctaggtgat acagctgtac atttgatgat gttatgcagt 60
agtgatgaaa aatgtattcc cgctctaata aacagagtga aaagaaactc tccgattcat 120
ccatgtggtc agatgcctgt ttgtctggta tcaggatttg tccatgacct tgatgt 176

<210> 9427
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9427

acctgcaggc aggcaagctg cttgtctcac cccaaactcc cttcacaatt tattatttca 60
ttcttaaata ggcggcctgg tctgtgctcg tgcgcttagc gcaattntga accgcttagc 120
gcacattagt gaatttcggc ttagcgcgtg ctgcatgtct cgattcttac atgcttgtga 180

cttgcacatc catttgcctg tatagttagg attgttagca ttggaaagtg ctttaaagcc 240
 ttagaacttg atagagaaag ctagaaaact gtatgtctag gaatggagtg cagcaatcta 300
 gtccatatta tgttgttagac taaatgcaac ttttttatgc tgagtttgtt gagggatcaa 360
 ggatgagggtt taaagagagt taagcccatt cactc 395

<210> 9428
 <211> 547
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9428

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 aatccttctc atattnatgt ctggtaaagt atgtcttttc tattctgcaa cggcattgga 120
 tagaagactc caagaagatt ggaccacaga tgcattgaca gggcctatga gtctcatgag 180
 ccttagggta aacttcagtc ccatgggcta agtgtgagcc cacttatatc tgtacatact 240
 acattcaagt ctcatataat ttggggccta tatctagggc tccataacat acgttatgag 300
 cctctagaat gtatgatctt ccattccctt gttattacgg cacctagact agtggttgta 360
 tcacgggcaa ttctatatgt cacatgcatt acgtgatatc tgatgcgtgg gttggaatac 420
 accaatgcat tggagaacca atcattactt tcaacgcgga gggcatttgt tgtcctcccc 480
 tgcacacata atccaacttg tgctttctct gctcacagct caatacctac cacctacgga 540
 atctccg 547

<210> 9429
 <211> 518
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9429

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 tcacacacac acacacatca ctcatctaca cacacacaca cacacacaca cacacatata 120
 tatatatata tatatatgtt taggtagaaa gataccttgg atatgcatgt atgtagcaca 180
 aaatacttca caaaatatat atatgtatgt ttaggtagaa agataccttg aatatgcatg 240

tatgtagcaa aaatacttca caaaatatat atatgtatgt ttaggtagca agacaccttg 300
gatatgcatg tatatagcaa aaatatctca caaaacatat atatgtatgt ttaggtagca 360
agataccttg gacatgcatg tatatagcac aatacctcac ataataacg tatgttttagg 420
tagcataata cctcatggaa gcaaagagag cataaagaga gcgagcatga taagaatatg 480
acgggagacc acaaattgat atataatatt aaacatcg 518

<210> 9430
<211> 248
<212> DNA
<213> Glycine max

<400> 9430

agcttctaca taagagatgg caagagaatc atggatggct actcatcaaa ggcaagaaag 60
gaggaagcca caaagagctg aattgacaca cctaggatat tttcttaata gctcaattag 120
cgacaccagc tcgctaagtg caattccgtc tagaggaaat aattcgctta gcgactctag 180
ctcactaagc gcaattccaa ccagaggata aattgctctt agcgcgaaatg tctcgcttag 240
cggctacc 248

<210> 9431
<211> 538
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9431

nggtaaattc gacgacgtac actatagagt actcaagctc ntctttgagc aaagcaangg 60
cttgctctta tttttattcc attgtaattg ccacattctt cttcaccaat ctaatgagag 120
gtgatgccat tgtagagaaa ttaagaatga accttctatt gaaacttgct taccatgga 180
aactccta atcttccaca ctttttgggg tgggccattc ttggatggcc ctgattntct 240
caagggtcac ttgacccca tttctacca ctacaaacct aagaagactt attatctact 300
taaagggtca cttctctata ttgcataga gtgtgtcntt ctaaggactg aaagaacttg 360
ctgagatgcc taagtgatct ctaagctcta ctgtcactaa atatataaaa taacaactac 420
aattactatg aatccctaaa catgatcata acctcataag gtgcttgtgc ataatgaccc 480

aaaagatcat agccttcacg aaacaaactt gtttgaagcg tttcagtcta acccttcg 538

<210> 9432

<211> 229

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9432

acaagtttca tagatgtggc atttatattg gatgttttag tctagacatg atgnttgata 60

tagtttaaag tttcttatat ccatgttttag tgtgaatgaa ttantaaatt atttcctggt 120

tctgatcttg gttagggtta ccaagaaatt tgggggttaa tagtgtttca attcctattc 180

tttctctcgt aggggttcaa agaatagtag aatctatgga attacatgt 229

<210> 9433

<211> 193

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9433

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tcatgagtga accttagatt cccatttgag attgaataga atgatgtcga tgatctncta 180

tatatgataa cat 193

<210> 9434

<211> 247

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9434

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ttcatgaaat gcatgttatt ttcgtaacct aactgaacc ccggtcacat tggcgtgggtc 180

ggaatttcca aatgatgttc ctttgtaaaa cccaaaatgc tctcagctct ttcatgtagt 240

gacgtgg 247

<210> 9435
 <211> 264
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9435

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 ttaatctaca atataaccgc catgattcat gtgtaattaa ttcttagtga caatatcagg 180
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 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9436

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 ggaagcggta tgtgccggct agttactcaa gggacttgaa atttaagctc caaaaactaa 180
 cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
 caaatattga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300
 atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgatttg cttacaaaag 360
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 ttgattcttt 430

<210> 9437
 <211> 207
 <212> DNA
 <213> Glycine max

<400> 9437

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 cttgtggtgg ctggccagct gtgaattttg tgtgatatat gggttgcggc ctctggtaat 180
 cgattaccaa aggtgggtta tcgatta 207

<210> 9438
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9438

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 tagttcttct accaagctag taaaatggaa ttgtttcaat ccacatcttt catagaaaca 180
 aactaaatgt gtcactcagt caatagtaaa gaggatacaa agtataatgt aattgatgac 240
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 caagtgggtt cccaacacct cgactatcat catggagaat acgccttgag tagtaaacad 360
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<210> 9439
 <211> 553
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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<210> 9440
 <211> 329
 <212> DNA
 <213> Glycine max
 <400> 9440

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 ggagaaactc atgttgtggc tactgttctc ataaggccaa attccccacc agctcaacaa 180
 tattaatact cacccaatat cagcccttct tattacctac aaccctatca gccagaaca 240
 ctcaatcatc caccaaggcc acccctatat cagccacaaa gcttgcttgc ccacatctga 300
 taccaaacac cacccttaac acaaaccaa 329

<210> 9441
 <211> 609
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9441

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 gcttaactac acataccctc tctaataggc tagctcaact tcttgagaag agaagctaga 240
 gcttagcttc acacgcnccta taatagctaa gctcaccccc atgacaaaaa catgaaaata 300
 aaaaaaaagt cttattcca aagacaactc acaatgcccc gaaatacatg gctaaaccct 360
 atactactag actgggcaaa ataccagggc tagacgaagg aaaacctatt ctaatattta 420
 caaaggatag cgggctcata ctttagccat gggctcgaaa actaccctaa cgttcatgag 480
 aaccctacgg ctttctctcg gatcctctag ccaatctacc tggagtcttc tagccaantg 540

cccttcgcgcg gtacgattgc atcatttcgt tcaccccttg aaaggatttg acntcatact 600
ctcgaggggn 609

<210> 9442
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9442

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caccatcctc tgttgcccac ctccaactga gctcacgtac tcccacgtag cccatatacct 120
cgtttctctc aacaccgggt ccccatcaat cctcccaagc ttccacaaca tccaagcaaa 180
acaacattca cacagcaca gctttcacag ccaagcaaaa cagagcaaag gcagaaaact 240
ctgccaaaac accaaccaaa aatcacagct tntaccactc aaagaccca gtaacaattc 300
cttcgttcca aattcgtaa ccgctggatc gactccaaca ttttactgga agtctctaata 360
acataagcct acattttgac cgntgggatc tact 394

<210> 9443
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9443

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agaacagttg gagagtctgc attgactata ggaggctgaa ccagggttacc aaaaaggacc 180
atntccctt gccattcatt gaccagatgc ttgaacgcct gggcaggcaa atctcactac 240
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aagaccacat tcacctg 317

<210> 9444
<211> 308
<212> DNA
<213> Glycine max

Variable	Mean	SD	Min	Max
Age	38.5	10.2	22	55
Gender	0.5	0.5	0	1
Marital Status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	3500	1500	1000	8000
Health Status	0.7	0.4	0	1
Exercise Frequency	2.5	1.5	0	5
Stress Level	4.5	1.5	1	7
Sleep Quality	3.5	1.5	1	5
Dietary Habits	0.6	0.5	0	1
Alcohol Consumption	0.2	0.4	0	1
Smoking Status	0.1	0.3	0	1
Family Size	2.5	1.5	1	5
Work Hours	40	5	30	50
Commuting Time	30	10	10	60
Job Satisfaction	3.5	1.5	1	5
Life Satisfaction	4.5	1.5	1	7
Overall Well-being	5.5	1.5	1	7

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital Status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	1500	500	500	3000
Health Status	0.7	0.4	0	1
Exercise Frequency	2.5	1.5	0	5
Stress Level	3.5	1.5	1	5
Sleep Quality	4.0	1.0	2	5
Dietary Habits	3.0	1.0	1	5
Work-Life Balance	3.5	1.0	1	5
Family Support	4.5	1.0	2	5
Community Involvement	2.0	1.0	0	4
Personal Growth	3.0	1.0	1	5
Life Satisfaction	4.0	1.0	2	5
Overall Well-being	3.5	1.0	1	5

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital Status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	1500	500	500	3000
Health Status	0.7	0.4	0	1
Exercise Frequency	2.5	1.5	0	5
Stress Level	3.5	1.5	1	5
Sleep Quality	4.0	1.0	2	5
Dietary Habits	3.0	1.0	1	5
Work-Life Balance	3.5	1.0	1	5
Family Support	4.5	1.0	2	5
Community Involvement	2.0	1.0	0	4
Personal Growth	3.0	1.0	1	5
Life Satisfaction	4.0	1.0	2	5
Overall Well-being	3.5	1.0	1	5

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital Status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	1500	500	500	3000
Health Status	0.7	0.4	0	1
Exercise Frequency	2.5	1.5	0	5
Stress Level	3.5	1.5	1	5
Sleep Quality	4.0	1.0	2	5
Dietary Habits	3.0	1.0	1	5
Work-Life Balance	3.5	1.0	1	5
Family Support	4.5	1.0	2	5
Community Involvement	2.0	1.0	0	4
Personal Growth	3.0	1.0	1	5
Life Satisfaction	4.0	1.0	2	5
Overall Well-being	3.5	1.0	1	5

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital Status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	1500	500	500	3000
Health Status	0.7	0.4	0	1
Exercise Frequency	2.5	1.5	0	5
Stress Level	3.5	1.5	1	5
Sleep Quality	4.0	1.0	2	5
Dietary Habits	3.0	1.0	1	5
Work-Life Balance	3.5	1.0	1	5
Family Support	4.5	1.0	2	5
Community Involvement	2.0	1.0	0	4
Personal Growth	3.0	1.0	1	5
Life Satisfaction	4.0	1.0	2	5
Overall Well-being	3.5	1.0	1	5

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital Status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	1500	500	500	3000
Health Status	0.7	0.4	0	1
Exercise Frequency	2.5	1.5	0	5
Stress Level	3.5	1.5	1	5
Sleep Quality	4.0	1.0	2	5
Dietary Habits	3.0	1.0	1	5
Work-Life Balance	3.5	1.0	1	5
Family Support	4.5	1.0	2	5
Community Involvement	2.0	1.0	0	4
Personal Growth	3.0	1.0	1	5
Life Satisfaction	4.0	1.0	2	5
Overall Well-being	3.5	1.0	1	5

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital Status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	1500	500	500	3000
Health Status	0.7	0.4	0	1
Exercise Frequency	2.5	1.5	0	5
Stress Level	3.5	1.5	1	5
Sleep Quality	4.0	1.0	2	5
Dietary Habits	3.0	1.0	1	5
Work-Life Balance	3.5	1.0	1	5
Family Support	4.5	1.0	2	5
Community Involvement	2.0	1.0	0	4
Personal Growth	3.0	1.0	1	5
Life Satisfaction	4.0	1.0	2	5
Overall Well-being	3.5	1.0	1	5

Variable	Mean	SD	Min	Max
Age	38.5	10.5	25	55
Gender	Male	Female		
Marital Status	Married	Single		
Education	High School	College		
Occupation	Manager	Worker		
Income	\$30,000	\$40,000	\$20,000	\$50,000
Health Status	Good	Fair	Poor	
Exercise Frequency	Weekly	Monthly	Never	
Stress Level	Low	Medium	High	
Sleep Quality	Good	Fair	Poor	
Dietary Habits	Healthy	Unhealthy		
Alcohol Consumption	Occasional	Frequent		
Tobacco Use	Non-user	User		
Family Size	2	3	1	4
Home Ownership	Owner	Renter		
Commute Time	30 min	45 min	15 min	60 min
Work Hours	40 hrs/week	50 hrs/week	30 hrs/week	60 hrs/week
Job Satisfaction	High	Low		
Life Satisfaction	High	Low		
Overall Health Score	75	15	50	100

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ccatnttacg cactcagatt aagtgattct tgagcctaaa ttgaatttca aaacgagaac 360
ctttcacctc gtttggaatc acctcatttg gag 393

<210> 9447
<211> 255
<212> DNA
<213> Glycine max

<400> 9447

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gtaaacacat taccacatga gaagcatcac aactctttac atggaataaa tgagtcattt 180
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<210> 9448
<211> 181
<212> DNA
<213> Glycine max

<400> 9448

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<210> 9449
<211> 656
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9449

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gacccatnan aaaactcgct tattcatcta cagctgatct ctctatcttt acagttcact 180
gcggtcaaca tccgatatat gtggcacaac gagaaatggg ctcttaatga actccttttc 240
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cacatgtcaa gaagatatgt acccaatatt atgcttggcg tgcanagaac ggcattgcac 480
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gaccttcgcy cctctaactac gatacctgct tcaaccacgt gtcgccaacc ctcccggagc 600
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<210> 9450
<211> 535
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9450

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tctctcctcc tgcagatccg tcaagagcca gtgagcgaac taccaaatat aaatactcgt 360
caatcacaaa tcaaatecat ctactaaacc agacaagtac catgtgttaa aatacacagg 420
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<210> 9451
<211> 522
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9451

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<210> 9452
<211> 501
<212> DNA
<213> Glycine max

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<210> 9453
<211> 379
<212> DNA
<213> Glycine max

<400> 9453
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<210> 9454
<211> 474
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9454

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<210> 9455
<211> 388
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9455

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 tatagagagg tacattgcag aagaagcc 388

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 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9456

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 acaanncntc cggtagaat agggacctca attttggagg tggggggaaa aacctaaggt 180
 tctaaactca attcattatg gccagcccat ccaccccaaa tttagaaggt tgcgcttcaa 240
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<210> 9457
 <211> 382
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9457

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 aacataccat gtanagttat aattaaatat gaaggatgtt aaaaaataat aacaagttac 180
 agggaaaaca gacaaatgtc acaccttaca gttctcatat ccaacgcgca tcttctcact 240
 gtcagtaaca aagtatggag aaatataacc acggtcaa at tgcacccct cgacaacata 300
 tagactgtta tcagcactct tacntcctc aagggtcaca acacccttcc taccaactct 360
 gctcaatgct tcagctatca ta 382

<210> 9458
 <211> 104
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9458

acttgaacta agctataatt atttggtaac aactcccat gttctttatn caggactatt 60
 ctcatgggt tcatgaaaac ctcatggatc aatgcatata ccac 104

<210> 9459
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9459

agcttcttga cggcctatcc gccactatth gttagttgtc ctacttggac ctctagattc 60
 tttatggcag actttgtgct tttctggta gacatagaaa cctgcataaa ttgagctaga 120
 gtctcttcca gctttgtggt gtgattatag agactaggcc cttgtggtag cggccttatg 180
 gatgatcccc cctgggtctct attgaattga ttcccaggat gtttctcca ttgtccctgt 240
 tgtagttgt attgttggtc atgctgaaat ccggaaaatc cacctacatt aaaattgggt 300
 atgggctggt tccccatata attgacttca tgtgtgactt gttcttcatt agggatacaa 360
 catccagatt catgagctcc accacanatt atacattctg caacctgcaa aacagaagaa 420
 t 421

<210> 9460
 <211> 562
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9460

agaanctcnc nnnnccacg ggactcgatg ctnacgtga ccttagatac tcagcttgag 60
 gtgagtancc accatctttc atagtagaaa ctagttatgt gtctactatc atgggcatca 120
 cttntttctc cgtcattgag gtgccactcg agctgccagg tctcttcacc ttttgagcgg 180
 tattctttga aagatccgtg ccncctttt gcacatgttc tgtagttgca tcctatccga 240

agacattata ctgacactgc ctaacgaagg caaccactac gtcctttcac gaatggactc 300
ggaaggttcc aagtagtgtc catgtaacag ctaccagta gactttcttg gaagaatgta 360
tagccatcct atcttttgcg ttgccccatc ttcgatatac atcttagatg gttntgcggc 420
agtagtctcc ttgacttgtc aagtcagcac cttgacttgt gagggatgatg atatgggtct 480
acgacaaatc tcttggtagc aaggcataat ttcactcctc aatggcctga cctgtccttt 540
atgatcaact tcgcattctc gg 562

<210> 9461
<211> 393
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9461

catttgcaag aaccagtccc ggtcctgaat atgacatcca ttcggttacg aaggctacaa 60
caccagcatc tctttcatgc cattaaagga tggtaatta ttcaggagcg acacgtccat 120
atcatggtcg actagtatac cgcactccaa gaagagacag gtcgcccggac gtgggcatag 180
ctggataccc ccatggctac ctcgaccga aatagttctt gggactatgc caatgcttgg 240
ctacatggag ggtgaagata attcgacctg gtgaggggta gtgtatcatt caagcgctcg 300
aaaccgggca tggaatgatt ctcgaggaaa aggtagatat agtcgcgctt gcgaacggcc 360
ctgggaaggt taagccttta tgtacaccac atc 393

<210> 9462
<211> 488
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9462

atatatagac tttgagactc gggaacctgt aagncacctc tggcatgcaa gcttggagga 60
ttgagggatt cgttgtgttt tatacgagga tatgggctac gtgggagtac gcgagcctca 120
gtggaggtac gcaacacgcg gatggttgtg ttaatgcgcg cattggggat gtggacaact 180
tggtgtgcac cattgcacga ccgtcaccta gtaccacatg tgatgggtct cctattatcc 240
tacaagcttg acatgaggaa gtggacactg actcaattct cctcattttt tcgcgctccg 300

tttcgatccc ccacccctcg ttccaattca tatgtttctc tgcctttctc acttcctccc 360
 tctcacatcg tctctcttct cactactttc atctcactct tccccttctt tttatattct 420
 cctttccctc tacaatcccc tgtgcacctc tcgaatcctt tcccacatca ctacaactca 480
 tcccttcg 488

<210> 9463
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9463

actatgatac taagctaaag tatgcccgag tcattcatcc ctgtgagatg ttgttgaagt 60
 atttgtgatc agaatagcca ttccttggat tatagggttg aaccaagctc atgcttntac 120
 aaaaaagggtt catcaagtca agttgaaata tggaagtaac cgtcttgcaa aattgggggca 180
 aaagatgaat cgagtcacat cactgcttcg tctactgcc aacatattta ggattattga 240
 tgtccttggtt acttocagtc tcaccttgac aaagatgtca tggaccatgt tgaaaatcta 300
 tattgattca accncatata ctgcgtaaaa attcgcaata cttegactgt acatcattcg 360
 catgcatcca tgcttttcat tggttgcac gctcatcgca tattttcctt gacaaataaa 420
 atacaatcca atgaacttat caacaagaca aggacacgct atacggcgcc cttaccgaac 480
 t 481

<210> 9464
 <211> 243
 <212> DNA
 <213> Glycine max

<400> 9464

ctaaacgaga gcgaaagagc ctactcagat acaacttgct tccctctcta ggctgagaca 60
 tatagaagat gatagtaacc acaaaaataa gactatagaa attattttct tttcataaat 120
 aaatcaaata ttattatata atttttattc tatctctttt caggatatata agctagtaat 180
 tacaattatt tttctataaa tggatgtaca gaaataaatg ggtgtacaat agttatgctt 240
 tcc 243

<210> 9465
 <211> 137
 <212> DNA
 <213> Glycine max

<400> 9465

gcaccttcag cattggagtt gctgttcaac atttatcact cttgcactcg agggttaaac 60
 ttttatcagt acaactatac taacagatta ttctgaacac actccctaga tattaatatg 120
 gcatcacttc gtaccac 137

<210> 9466
 <211> 238
 <212> DNA
 <213> Glycine max

<400> 9466

atagagcgcg tacacaaatc acttaacata cttttatccg ctgaaatatt cacacataac 60
 tccagtttaa gtaatctttt ccatcagtat taatagaaaa tagaaaaaat ggtaaaactaa 120
 tttaaatttct ccttgaattt aactcactaa gtacataaaa ttacattata cactacaatc 180
 tttttaatag cacctcaatg ttgacacaaa ttgggtgagc ttgcacctcg tacatccc 238

<210> 9467
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9467

anngcttgcg gattggtctt tgccagtgaag aggatctatt ggggtctgaaa aaaggcaaat 60
 ttagtcatcc tgcttgagcg aatgagaaaa ctggggcaaaa tgaagagggt gaggatgaag 120
 gagaagcccg tgctgtgact gccattccaa tacagccaag tttcccacca acccaacaat 180
 gtcattactc agccaataac aaaccttctt cttaccacc gccagttat ccacaaagggt 240
 catccctaaa atcaaccaca aagcctacct accgcacttc caatgacgaa caccgccttt 300
 agcgtaaacc aaaacaccaa ccaagaaatg aattttgcag cgagaaaagcc ttagaattca 360
 ccctaattcc agtgtcctat gctgacttgc tcccatatct acttgataat tcaatggtag 420
 ccataacctt aaccaagggt catcaacctn catttctccg agaata 466

<210> 9468
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9468

acaacacttc tcatggcacg agtgtcaaca tgcactntat aaaataatca tattgggggtc 60
 gtgcctatatt atgacacata cgtatttgca cacataaaaa ttttgtgtga agcattttac 120
 gacacctatc catgtacata ttttttgaca naccttttca tgctacatcc tatatatata 180
 cacacacatc tttttggaag gcttcttttg ttacctactc acaaatacac atnatttgaa 240
 aaacactttt acgctaccca tccaacactt tgtangcact tcatgcatat atattcacat 300
 atgcaaggca tntattcaac tntctgcaag gcattttatt caccatttgc acggcatttc 360
 atgctatata tatttacata tatacata 388

<210> 9469
 <211> 195
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9469

gctttgagtg aaaggatgtg actcttcata ntttatTTaa ttcaacgccca aggaactgga 60
 atcgatacca aacattgaat cgattcagca tttcgaaata ttagaacggt gtaatcagtt 120
 tgaaaacatt tcaactcaat ttgttctgga atcgatacca cagagaaaaa ctcttggtaa 180
 ggtttgctaa accca 195

<210> 9470
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9470

agctttacag tatattattg ataatgatga ttcgaggtag ctgccntggt gtggaaacat 60
 tacattcaca tctatactac tctagctngc cttccttctt gtgcgcatga tctacaaagc 120

ccaaacaaaa caaaattatc gcaatctttt tttaaatgc tgacaataac gtataatgag 180
cattgttgct taaaattagc aaatactacg attctgtata ttaccatata tactcatata 240
gacacaacct agcacataac tgctagacac atctaattag aaatttataa atcatctaaa 300
tattaaaaat acctaatatg atcattaaaa ataaattcta aaacacactc ttatccaaga 360
gtgagtacca acatataaag aggtggatgt 390

<210> 9471
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9471

agcttggttt cttttgggtn tgtacatata tataaagctt gtttctttnt gggtgaaagt 60
gcctatacgg attcctcctg gtaccatttt gttgttgaga tttctataat aataataata 120
acaaataaaa taagattata gaaattattt tcttttcata aataaatcaa atattattat 180
ataattttta ttttatttct tttcagttat ataagctagt aattacaatt atttttctat 240
aaatggatgt acagaaataa atgggtgtac aatagttatg ctttccggtt aaatatgttg 300
gaaatattcc ttcattcattg ggtgtgcagt agttacagtt tctgctttaa tactattcaa 360
atattaattt atgcaattat atgtgttaat aattgcnata ttacttcata aaggctgtgc 420
aacaattacg gggtccgctn ntacaaatta catatatat 459

<210> 9472
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9472

gcgtagccca ccatctnttc atagtagagt atcgattatg tgtctaccat cagcatcatc 60
gtctcccttt ccatcattgg gggtagacc tnggccgcca gatccctttc acctttgggc 120
gtgttctttg aaagatccgt cccctttttt gcaaagtgtc tgtagttgca tcctatccgg 180
aaccatatca aaattgtact gatactgcct aacaaaggca accattaggt cttccaaga 240
atggactcgg gaagattcca agttaatgta ccaggtaaca gctaccccag taagactttc 300

ttggaaggaa tgtattagca attcctcacc ttttgcgtat tcccccatct tctgacaata 360
catcttttaga tgggttcttg gacaagtagt ccccttgtac ttgtcaaggc ccagcacctt 420
gaacttggga ggggtgatga ta 442

<210> 9473
<211> 163
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9473

ttagagcacc tgcagctgca gctaggaacc catctnttag cttaatgcat aatacatact 60
cagggctagg aacccaaatt ntgggttttag aattagaaaa gcatgaaaat tacgacttgc 120
ttgtgagagt ttntgctcga attgggctgc cccatgtttg atc 163

<210> 9474
<211> 559
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9474

nacgttcagt agacnacgga agataganac taagctntgg agtnaaacat gngaccaacc 60
cattnaatcc atataatgat atntcgatct agncaaggctc tgagagacca tacaagcttt 120
ctaacgattt ctaattatgt gggccctata gtctatcata tgctggcagt agccgagaag 180
ctcatgactc tcttcggggc cgactacgag tctgtatcga cctggccttg gcaacaatca 240
gggaagtact tgactaccgt tcaaggctag agcaaaccga ttcattccaca cggctgcctc 300
ttggggtaga gaggtctgca ccttctctac aagcatctat ttccgatata ctcgagtata 360
ctcacgcctg acactatgct gaggggacgc gctgcttctt catctttcct tataccacgc 420
gtctactcta ccttctgggc gtgcctcaac cacacanttg cgaagcgctc gcatcgctct 480
actataccta tctatcaccc gcgaaggcgg tgctccctct cgatactgct ccgctacctc 540
atggcacgcc acctacacg 559

<210> 9475
<211> 516
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9475

cttgctagac ctcagcgacc tatgagacac ctgagggcatg caagctncag ctggantgct 60
aagngacaac gnaticctttg tgtaatttat tacanancan cgccaagcgc aaggccggac 120
ggacaagagn gagggccacg aagccaagcg ccagagatgg cagctaaccg agactcagtg 180
gggccagngc gagcactacg cgagcaccta ccaacgcca gncatgctt ccttagtact 240
taagatgcat cattctatct aagcccacca gagtctggct tagcgagagc tgcaactatt 300
cggatctaca tacctcgcta agtggctctga tcctccactg agccaagcct gtgttaaaca 360
aaaagacttt gaatttgaat ctaccgctat acgcgcttat ccactaagcg agccttggtg 420
agatacaaaa cgtctctctg gctcgctaac acagctttgc ggtaagtga agagtcaaac 480
acgctaagtg agtgttccac aantacctcc gactcg 516

<210> 9476

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9476

agctntaaga gaagttgcaa gagaaaagac ttattctctc aatgtgggtg aaactggact 60
cattgtatat gacaaagtcc cttgcaaate ggctatgctt gaagcaacaa ctgcaccttc 120
aagatagcag agtcaagaac agccactgaa caattggctg atttcaacaa gattcttaat 180
ganttggaat atattgaagt aaagcttgaa gaagaggata aagctctctt gcttctgaat 240
tccttaccaa aatcctttga acatttcaag gatgcaattc tttatggcaa agatcaagac 300
attaccctag aagaagtcca gacctcaata aggaccaagg agatgcaaaa acggcaagac 360
tccaaatctg aggataatgg tgaaagcctg aatatttc 398

<210> 9477

<211> 62

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9477

agctntagta aaaataagtg agaggttctt gtaattatag aagaacagca agcggctatg 60
ca 62

<210> 9478
<211> 146
<212> DNA
<213> Glycine max

<400> 9478

ggagaatcct gccgtgccat tggcagatgt cactcaccac accaaattca atgagtcatt 60
tctccaatca aagagacgac acctgttcaa tattgcgacg aaccaaatat gatgttggtg 120
ctgacaacaa atgcatacct tcttta 146

<210> 9479
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9479

caataacttc tgaatcggat gtccgattgt ttccttttga tatcgagacg ctcgtaattg 60
aaaacggaag ctctaagana agtcaaacga caataacttc taacttggat gtccgattgc 120
gccctgtaat atatcgagac gcttgaaatt gaaaactgaa gctctaagaa aagtcaaacg 180
acaataactt ttaactcgga tgtcctattg agccccgtca gatatcgaga cgctcgaaat 240
tgaaaacgga agctctaaga aaagttcaac tacaataact cttaactcgg atgttcgatt 300
gagtcctcgt atatatcgag acgctcgtaa ttgaaaactg aagctctgag caaatcaaac 360
gacaataact tctgactccg atgtccg 387

<210> 9480
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9480

agcttaagag atgaaatatg tccgtttaga cacatctatt actngttttg ttaaggncna 60
tatacactag aagctgtgaa gatatgtatc ttttttgctg atcagctcca attgcatcat 120

acgaattaca aaaaaaaagg ttttttttgt atacttatag ttattatttt gaattctttc 180
 atttttaaga ttataaaaat ttctaacatt agatggtaac aagtctcaaa tgtatgtaac 240
 tagaataaaa ttccaacatt agatgtagcg ctcatctctc caaaataaaa ctagttacac 300
 tcctaattct tcaatcattg gatgtagtat tcattcctcc aagtaggtcg caagggcatt 360
 tcccatcata tcacttgcac tatcacttgt ataaaccaca aaccacaatt ttaaaataaa 420
 gaagaaattg atcatttaca aattttacatg cttatatggc atataccttc ttc 473

<210> 9481
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 9481

tttaagagaa tctattttatt ataggtggtg acaatcttca ctataaatag aaaacaaaat 60
 tagtgaagaa acaacacatg aagcaagagt gtgtgagaag agagattgtg aaacaaagtt 120
 actttgttga gagaaaagtc tgtttgtgtg agagtgtat catttcttac aaccattgag 180
 ttgggtactt gatttgtaga gtgatacact atctatgggtg aattataatc ctgtaatcat 240
 ttttttctga tagtgaaata ctctttaaat gattccaata agtattgaac catgtttaat 300
 tcttggcggt attattaaat tggattcaaa ttgatttaaa tgggttgattt ttaaatcaaa 360
 tttgaaaatc agtttagaat tcattc 386

<210> 9482
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9482

attcctcaca aaaacactat tccaagaaa agtccttatt gatccatgat cacgtgtgta 60
 atctttgatt cgataggaaa tgacttgcag aatccagtca tgacatatcc atgggttcgga 120
 attaggatga aacacttacc tgtgtgagag tgatacactt tgagtgattc tctcttattt 180
 tgttggaccc aatgtttcct ctacatgggtc ggtagaaaac gaaacgctaa catccaaaat 240
 ctcatattatg gttatgtgaa aatntcatca gcatactctc ctttccaata acacattggt 300

ttcatcaaca atatatgttg tttgatcagt agagg

335

<210> 9483
<211> 364
<212> DNA
<213> Glycine max

<400> 9483

aaaagccatt aacaaaataa actcaatgta gcatagatga gaatgttatg ttggataagt 60
ggacatatta gacaagatag gattaaaatg aatgcattat aaagaaagtt gagaacttga 120
gatagcatct gctggagaaa aaaatggtag aatctcacct gaggtggttt gggcatgtat 180
gcagaagact agtagaagcc ccacttaaga ggggtagcct gtagtcctat gtggggaaga 240
taggctcgaa aaaaatatag tctaaaccat taagaaggat ctagagggtca atggcttctc 300
catggacatg atttgaata aaacactatg gcaccatcta atacatgtaa ctgacctcat 360
gtaa 364

<210> 9484
<211> 260
<212> DNA
<213> Glycine max

<400> 9484

agcttccatc atgtgttaat cagagcacia ttgcttattt atgtgctcct taaacctcca 60
ttaattgttt tgctatacct tctcttccat cggtgattct tcattatttc tccatgtatc 120
tcctcacatg tcttgtgcta aatgttggtta acatgattct ttatagtttc caccaattaa 180
acttgctata gaagcaagat ttgattttct atggctcaaa tttcttggtc ttgttcttga 240
accatgaatc gcgttgagtt 260

<210> 9485
<211> 394
<212> DNA
<213> Glycine max

<400> 9485

gttgtggaag ttaaacagta tgcataatg atttctatac atcgatcat cattcttctg 60
cacttgcttt agcccctagc tatctgctc gcttaaactt cctccttat gacgggtcaat 120

tctcgtactc atggcttgcg ttgcctctgc cagctagctg tcctctctta taattacgaa 180
gctctaacaat gctagtgcac tcaaagtgtg ggcccataac aggttgactt atagaagacg 240
ttctccctct gcaaactact gaccatgtac aatcacaaatg atcttcaaca tataacacct 300
gtcgcgcttg cactgccatg atgaatgggt cgtctttgta acctaccttt tgaagggtcta 360
ctaacgtaaa tcccactctg tcttgacgca caca 394

<210> 9486
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9486

agcttatgcg catatttcct tacaaacggt ctcttgacac agacattcta ttaacaaaaa 60
aaatgcaccc atatacaatc aaggcagctt cgttacctag attatttaca cgtacttcca 120
aggtgtatgt gttacttaca tcacacacct ccttggetaa attcacatac atgcatactc 180
aaagcatttt ggggtaccaa aaattgcaca tgtgcacatc ttggtatttc caatacctat 240
acatacacia acttcatgat gaatcttgac tatctacaca ataagggtgct acattntatg 300
ctcttttcaa gtttttgcta cctaaagccg catgcaaatt caagtatatt ttcctttgct 360
gactaaaatt gtattcaaat taaaaggat acattntttg gtaatgtatc ttctttacat 420
aacatgcaac atanttatgt atatt 445

<210> 9487
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9487

tctaagttag tgtaccaaac taccgcggct ccggccaagc tatcttgaaa gaagtgtatt 60
aatagcttct catccttaga gtgtgcgcnc atcttgcgac agtacattnt gagatggtn 120
ttgggacaag tcgtcccttt atacttgctg aagtctggca ctttgaactt cgggggaata 180
acaacatcgg gtactaagca aagatccgtc atgtctgcga acgggatagt cccaaatcct 240
tccacggctc tcaatctttc ctgaggaga tcaaagcttc tcttttcttt ggttgccggn 300

ggcggtcctt ccgtggacaa aactatnggt tgtgtcgcga tgttgggttg aggcaacgtg 360
 ctgggtgccg gcccttcggc gatcggngga tagaactcga catcccttcg acatagtct 419

<210> 9488
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9488

agcttgaag gatgcttcaa tggaggaaaa tanataggga gagaaagaga gagggggagc 60
 acgaaattga aggaataaaa gagggagaga agtggaaactt tgaagtatgt ctcaaaagac 120
 tctcattcat caaagttaca acaagtgtta cacatgcttc tatttataga ctaggttagct 180
 tccttgagaa gctttcttga gaaaacttcc ttgaaaagct tctttgagaa aacttccttg 240
 agaagctaga gcttagctac acacaccag ctaataacta agctcacctc cttgagaagc 300
 ttccttgaga agattcctaa agaagctaga gcttagctac acacaccccc tataatagct 360
 aagctacccc ccattgcaaaa atacatgaaa atataaaaaa aagtccttat taaaaagact 420
 actcaaaatg ccctgaaata canggctana accctatact actagaa 467

<210> 9489
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 9489

tccgatgaca tccacaaata aacgttgggtg gcgacttcgc gcattcttcc tactttggaa 60
 agcgcacccg ttagctttgc cttegtctgc ccttagaatg gcacgttgcg acacctatca 120
 acaacaacaa atatggaatg cttaccatta cttgttctag gcagccctaa aacataagcc 180
 attgatatat caatccatgg agaatccgaa ttcgttaagg ggtaacaaac cataaagcat 240
 tacctttgac ttggcctttc tgcatacaat acaacgctca caaaa 285

<210> 9490
 <211> 157
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9490

agcttgccgc ccaactcgcc caggcgagct cagcttcgtc ctttctagca aggnngcttc 60
ctccagaagc aacaaccttc tggaggaatc ttctggaggg gccaaaggtg ccatggtgct 120
atttgcaccc ctttttacta aacgcacccc acttcta 157

<210> 9491

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9491

agcttaccce ttctgttgta gggttnttat tattatgctt gttatgttta tgnngctgaaa 60
ttgcttatgg aaaactgcta gagatgaagg gtagagttaa cctatgggta taaagtgaaa 120
atgtagtggt atgagtggaa aaagagttag gctttgagtg ttggaaggcc aaatctggat 180
ttagtggtat ttggagggta aaggagtgta atcctagttt gaaatgtcat ttatgactta 240
tgaganagtg tagactgtgc aaatgaggaa tatgagtgac caaagtgaaa acaagagcca 300
tttctagggt aaaattgggt gttgaggagt cacattttga tttggtagag ttttcgtcat 360
aaaaccagtt tgagcgagtt ta 382

<210> 9492

<211> 592

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9492

aggggcccnc cgcgcgactc gcatcgatct acttagtgca ctatagntac tcaagcttta 60
taggtganat caggtgcagc catntccctt agagtcctct cacgatgtgg aaggtgtcca 120
tgttctcaga atgtgccaaa tcagaatgct cagaatcaga atgctcaaaa ttattatgct 180
caagaacagg atgttcaaaa tcaccaatta cagaatgcac agattcacia gttatggaat 240
gtcagaatg atcacaacgg atttaaatga tgcctaacta atctatgaaa tgtectatct 300
atcttacgat caaagggtta taagtcagat ggattgcctc tagtcataca ctacattcag 360
catgcacaca actagttgcc ttgtcatgta nataaaggtg tnggtttgac tacagctacc 420

cctcaatgat atccaaattg acttgaatth tgtgaacaac cttataaaat gatgagaaga 480
tagcakanan aatntcagac acaaattcac agtctactat gacagctaca atggtnngtn 540
agaaaactag tgaataaact tgaaaataaa cactttgaca gatcgctttt tg 592

<210> 9493
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9493

agctngaagg tttgtacatg acctaattct tagttaatcg ncnnnaccta aagcagtctt 60
tgtattcggt tataatgcat gaagatagat cagtcggaga acaattggat ttgtttaata 120
aactgattct agatcttgaa aatatcgatg tcactattga tgatgaggat caaactctgt 180
tattgttggt ctctttgctt aagagttact ctcatthcaa agagacttta ttgtttggaa 240
gaaactctgt ttctcttgat gaagagcacg ctgctctgaa ttcaaaggaa ttgaatga 298

<210> 9494
<211> 565
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9494

cggggnctcg ccgccggcgc attggtttcg tgcactgcan nnacngcac nagagagtgc 60
tgcaagctat gaatgatatg aatctaactc attctctata tttcttttct tatataacta 120
tcanccatac ttcatthagt cattttactct atccagagac atgtaatgtg aatttaatta 180
atcaaaacac atccactgta tgaatcatta aaatatatac attaagtata tctttggctt 240
aaacttaata accatattat gaaggaaaga tcccttgaga aaaacatcat ttatataact 300
gacacacttc ttccacagta taggtctgca acacatcgta tggcgaggct ccaatattgg 360
tcttatcacg cgtatgagaa cggacgtata gtaccccttt gagatctatc cattgttatc 420
atactgatga tccctgtttg gcgcgacact accttactct tatatcagaa taggttgcat 480
ctattggtaa tatatttaac atggcaatgg gcttagatac cttaatgggt aaacaaatcc 540
catagcgatc gtctgtggat tttcg 565

<210> 9495
 <211> 296
 <212> DNA
 <213> Glycine max

<400> 9495

gcttattatt cactataaat aaaatacatc aactctttca actctgtttt ccatctgttt 60
 ggaatcagag gcctgagcgt attattgaca ataccacctc cattaaataa ttagaagtca 120
 acaaacacat cattagaatt caaaaaaagc tttgttgcaa gacattctct gttgagtaat 180
 gatatgaata caatgtttca atgaaacaca atgctcatga tcagtctgaa catgctatca 240
 cacctaagct gaaaatgcac atagtagcat gcatattgat atatatataa ccaacg 296

<210> 9496
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9496

agctntaggg gaagttaggc caaagagttt ctgtgtatta taagtgttta gnngannnta 60
 attnagggaa gatacttaat ttattttact ttcgtatttt ctgctcctgc caaataggac 120
 cttagtctat tggcttcttg aagcttacat tttaaaaact atactcaggg cgcttgggag 180
 ttattgatca tgacgtgggt gagctgaata atatgcaccg acaggtattg tattttctgt 240
 tttaacctcc caccctcttt tggcatagca ggtgcagcgt gtactttgtg tattgggtcat 300
 gtgtttgtgt ctggcatcag cttttgggtg tttcaacctt tgcacgtaca atttgttgat 360
 gtgtgccttg cttctgtgtt tgtgttgatc tactgattta ttatcattat tattattaac 420
 cactattgtt attaatgttg acaagtttgt 450

<210> 9497
 <211> 116
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9497

cttcaaaata cttataatct gtacttgctc cctaagcttg ctggagtgtg ctgcaacatc 60

aaaatataca aaggttatta ttnagttaca taatcttatt gactttgcat gacata 116

<210> 9498

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9498

agctngacga cctaatagata ctagagctat cagatgatta ttataatggn ngatagcttt 60

gcggagaggt gctcgtagaa gacgtcgtaa ctagccagca tgcggagaag cactggagg 120

ttctcgacat cgtcgtcgtt gccgggaagg atgcagggga ggatctcgac agcggagaga 180

gggttgttgg cgccgccttg ccagaggacg tcggcgatgt ttagcaccat gggaacactt 240

accatgttga catgtagagt tcttaactag tattcattta gaataatatt ttntttaatt 300

tgacaattga catgtagagt tcttaactag tattcattta gaataaccta atagcatatc 360

aataaattta gtgtctgtnt agacaaagca ttaacaaagt ttattttaaa aaaatattat 420

atttgtaaaa ata 433

<210> 9499

<211> 366

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9499

tagtcgaatg ctcaaaatca taatattcat aatcactcag cacaaaatac tcaatatgct 60

caaaatgctc acattgcaca gaatgatcag gatgcacact atgcctaact aatatatgaa 120

agggctctatc tatttcacga tcaaacgggt gtanatcacc tagaataacc ctagtcatgc 180

actatatgca gcaaataatg tgtttctcaa caagcaccta acaagggggg taaactacag 240

ctatactcaa acgatatcca aatgaagttg aaatttgtga ggaacacnct acaatcatga 300

aaagatagca canacacttt cagacacact ttcaaattct tactatgaca actacctaag 360

aaaagt 366

<210> 9500

<211> 310

<212> DNA

<213> Glycine max

<400> 9500

agcttgctac acctaaattt gtgcgaaata cttttgctat ttctgcata aattattgtc 60
ctgcgccgta tttatacaca tctatgaaga cttgaccaat ttgtcttggt ttggagggag 120
atgtataatt ttgatcatca agtgggtggac tttgaaagta aaagctagtt aatcatcatg 180
gcttggctgc aaaacatatt taattaaaag aataattcta attattaaaa aagagaataa 240
ttctaaatct ttttgcaaca ccttccta atttctcata atttatgttc tcaagatatt 300
aaatatatct 310

<210> 9501

<211> 461

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9501

agcttgaaat tgaacaaagg aagctctcga gaaattcaaa tggtcataac ttatcacacg 60
gaagtccgat tcaagagcat actatgtgaa gatgctcgaa attgaacaac gaaagctctc 120
gagaaattca aatggtcata acttgccaca cggaagtccg attcagacgc ataataacc 180
gagacgctcg aaattgaaca atgaaagctc tcaacaaatt caaatgggtca aaacttgtga 240
cacagaagtc cgattcaggc gcataatata tcgagaagct tgaaattgaa caacggaggc 300
tctcgagaaa ttcanatggt cataaagtgt cacacggaag tccgattccg ggggatagta 360
tatcgagaag gtcaaaattg aacaacggaa gctctcgaga aattcanatg gtcataactt 420
ttaaacggta gtccgattaa ggtgcataat aaatcgagaa g 461

<210> 9502

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9502

actccatcat taggattagt tctgtcatc tcanacaaac aaatcaaacy taataagaca 60
attatagttg ttgtttgaat acctcaccac ctcaagtgtg tcacacaatt atgggctttc 120

tctaataaaaa cactcttggc ttgtaccact ctaattcccc ttgagttctt aggcaattca 180
agagattatg gccacaacaa agaacaattc accaatatgt gtaaggtaag gctagagaga 240
caaggaacag ggtaaccaag aaacaggcta acaatggttt taggcacaaa tgaaggaaat 300
aaaattcaga atttacgaat tcaagtaaca atccttcatg caaccaatat attaccttaa 360
agagattctt tctaaagttc ttcaagcatg aaccattcag cccacatttt ttttttttta 420
atatttgata tac 433

<210> 9503
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9503

agcttctaaa aggatatttg agttgaattt ttcttataga ttcaaactca acaaaaatct 60
cttacaattg actaaattgt acctacaaca cactacaaaa atattattcc atgatcttta 120
cctctaatta ggtatttatg attaatgttt cataacgaaa atcaaacgga agaattcaat 180
tgaaaaaaaa gaaaagaaaa gtacagaaac ccagtaaaaa aaagaagaag ttcatatgcc 240
taattgaaaa tctagggaaa gatcgaaatc agtagaataa ttaaaccctta gaataactta 300
aacatctgaa tttgtttcag tagcttttac atttaaattn ttcgtaaaca tcaataagct 360
tatgaacact ctctagtata agatgggaat cacatactta tattaattga caaggcctca 420
taaatttaaa ggtaatttga a 441

<210> 9504
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9504

ctataataag acangacaca ctataataag aaagactcat acagtgnata tacctcacgt 60
ctagtaaatg caagtagttc aaaggtttct aaatcctcga acgtcattgt tctatttata 120
gaacatgcaa aacagtttgt gaatctcaat acgtgtctct tcattgggtc atatattaga 180
aataaatcag ctctaactta atactaaagt tagatcacia ggggaggagt ggacaagcct 240

taacatgatt tacttttagcc acacaaacat ctctatacaa tatgggacat cttaacatca 300
 cacttataca aacaataagt ttgttgaaat tctggaggtc tggaggtaga gaagacacat 360
 ctatgg 366

<210> 9505
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9505

agctnntggg tgaagaccta tataacagca ctcaggtttt ntagttttaga gagagctctg 60
 gagaggagaa taatttttagg tattgcaatt ccagccttta ctgttcatgc aactgntca 120
 cgtagcaata aaattcattt tctgcaattt cattttctgc ttccaattgt aatttcattt 180
 ctgctgatta atggaagact aagtctccaa cgttgttttc tcttgaggat caagcacaac 240
 tctctttgag gtcttggtat tactaataaa ttctgac 278

<210> 9506
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9506

agctngcttg tggngcttct atggaggctg gatctttgaa cttcaatggg gtcctttaat 60
 ggtgattttt caccaaggag atgcagcgga agacaaagta aaagaggatga gaggaggcgc 120
 catccattaa ggaataagcc atggaagaag gagctttacc accaagatga gccttgata 180
 agaagcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa gagggagggg 240
 ggagcacgaa attgaaggaa gaanaaggga gagaagtga actttgagtt gtgtctcaca 300
 agactctcat tcatcaaagt tacaacaagt gttacacatg cttctattta tagactaggt 360
 agcttctctg agaagctttc ttgagaaaac ttccttgaga agcttctttg agaaaacttc 420
 cttgagaagc tagagcttag ctacacacac ccctctcata act 463

<210> 9507
 <211> 635
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9507

agagagagaa agaaganctg ntnnnntata ttnacatcnt annnnnnnaa gcccccgcg 60
gccccgtgtat tactccatac gannacgngc acnatgagag accaagcctt nacaactaaa 120
nnnngtgacc ttacacagat catgaataat ctttcttaat ctcagatgga taaaaataaa 180
agaataatth aaaggccaca atcaaaatta cctcatttta cacaaactca aaccacatth 240
aattatatta tctaataattg aaatactagt gaacacttca cttgcactaa tctcactgag 300
catgggtgga tttctcgtat catgaattat gccttctctt cttcacatac cattagtacg 360
tctaaacaca tacataaatc aatcattttc tgggttagggg aagagacata tattagccct 420
caatacataa ctccatatan aaagaaagct taatctgaca tacatccgca agccttatca 480
ctttttcttt ttgaacccca agactggcca gcaacccgca cgcaattgca cagatttctt 540
attccttgac cggcgcgact ngctattcaa cacaccaact gtgctttcca ccaacacaac 600
tgattggatc gctttccac ttacgcgaca caggg 635

<210> 9508

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9508

agcttgacac aagtatatct aacctgttct ctaatgattc tnggcaaaca taccagccag 60
ctgactgctg gagttaacaa agttgggtgt tatttcgctg gatagcacc tttctctaac 120
aaagagacag atgatcttgc tatgcctttg atccttcattg tgcattgctc caatttttagc 180
tgatggagta cttgcctaag ttgcataagc tcacatgtgg ctattgccat acaacaaaat 240
ccaacttttg cactggatct agtaataatg ttgtccttat tgctcttcca tgatattaag 300
tttctccag catgaacaca gatccttaag cggatctcgt gtctaagggt gaccttgctc 360
agacaacatc ac 372

<210> 9509

<211> 450

<212> DNA

<213> Glycine max.

<400> 9509

actaagcttc aagaaaagat ggcctcagca aattcctcgt ttccttaatg ttaatttata 60
aatagacctc caatctctaa tggagagggg taccactact ggacaacccg aatgcaaata 120
tttattgagg caatagatct aaatatctgg gaagccatct gaatatggcc ttatataccc 180
accacagtag aaagagttgc aatagatgag agcttatcaa gtgaaagcat aaccatagca 240
aaacctatag atagatgggc tgaagaggat agaaaacatg tacaatacaa ccgtaaagcc 300
agaaacatag taacatctgc cctaggaatg gacgaatatt tcagagtctc aaattgcacg 360
agtgtcaag aaatgtggga cactcttcag atatcacatg aaggaactac agatgggtcca 420
agacctacga taaatgcact aactcatgag 450

<210> 9510

<211> 289

<212> DNA

<213> Glycine max

<400> 9510

tctatcatat ctaataattg gcacatttat gtctaattgc ccttttactt cattgtagta 60
aatttctaag gcatccattg cctaagaaat ctcgggcagt aagtagacat aactgtaacg 120
tgaataatca tcaataatgg tgataaagta tcattgcttt ctgagagAAC taacatcaaa 180
agggtccaaa atatcagtat acacaatttc aagaagctga gtgcttctct gagctccttc 240
ctttgcatgt cttgtctgct ttcctctaata acaacgcaca caaatatatt 289

<210> 9511

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9511

attgaagctg acaggatcaa caatgggtgg ttgaattatc tccttagctg ggaagacacc 60
ccatgtcaca gcattaacat cagtttgacc cacattagat ntccagctcc cgtctttatt 120
cacagccata taagttaaag atgttcgata cttgcattta tcaacaagtg catccagctt 180
ttccttagag cagaagaact ctacatatgc cttctggtaa acataccgcg ctgggtccacc 240

ccagcctagg ccaaatttca aacaaaaaatg aattagtgtg tctcatatcc accaaccaat 300
atggacaaga tatgaatacc ctgagtcaca aattgcaccc ttttgagtac ctttcaatct 360
tcattatttg ttntacaaga aaatatnagt aatataaagt ggtacagcca cacatctcac 420
tcaataactag t 431

<210> 9512
<211> 385
<212> DNA
<213> Glycine max

<400> 9512

acgcatctta agcacctgca gctgcagctt cacttccccct atatggatgg ttgatcgta 60
tatagatttg tacgcgtcca gtctagtctc tctaagccct gaaaccgtaa ctatggctat 120
gttctgagat tegtcttttc tgttgttcaa agatctctcc gattcctttt ctttcgaagt 180
ggcattgccc aaagtcgaat caaaggcttg acagggtctt cttagcccat gctaactaga 240
atagttagta gcttatagga tcccaaagca ataaccacag atggaggagc attcgtcttt 300
ttaaccagtt ttcaaaaacc aagatatact gcctatcccg aaaaacggac tccctcaaaa 360
caaaaagtag cttcatagca agagt 385

<210> 9513
<211> 495
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9513

aggggnnnnn nnnnnnnncc ctgggtgcac ctangaacng cactatagag tagctcaagc 60
tggtaatagg tgaccagtgg tagtggattt cccagagatc actttgggta ttgacaccat 120
accggagtgg acccttttct ctaaccatac tttcctaaaa tctgcgcaaa atcagaanaa 180
aaaaaagggtg gtcaaaccat tacaattaac caccctataa ggaaaataaa gtttaccact 240
tagacttttg cttacaaact ttcattagct aaaagataag atctaataccc ccatcaacag 300
ccaaaatgga tgctcatgta cgataaacta gttgattcac gataaaaatg actacaaatt 360
atgactccat catagacgaa taaaagggtt gttagcacgg acgttaatta ttatagtaca 420

aaactggctg accgtaagac aatatgatat atagacaaaa ctactgatga tagacgtata 480
 catatagaca aattt 495

<210> 9514
 <211> 133
 <212> DNA
 <213> Glycine max

<400> 9514

agcttgtaag tatttggttg tataatctgc ccgtccatta ggctcttaat gtcttttagag 60
 gttacttctt cattgacatc ttttgtcttg aatggaattg ccatgacagg tttattgtta 120
 ctgtctttga tgt 133

<210> 9515
 <211> 201
 <212> DNA
 <213> Glycine max

<400> 9515

ctggaagatg acatgccttt ccatagacta cccaataagg agacattcct atgggtgctt 60
 tgtatgcagt ccgatgtgcc cagagagcat catcaagcct ggtactccaa tctttcctgc 120
 ttggctgcac aatcttctct aaaattctct tgatttcccg gttagaaatt tctgcttgcc 180
 cattgggtctg ggggtggtat g 201

<210> 9516
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9516

agcttggcat cttcttccaa ctntctcttg tgttcttctt catatagngc ttttaacaaag 60
 gcaagcactc ttcttctagc tcaaaagctt cattcttctc aagcatctca tctaagttag 120
 cttttttcat gctttggcca aggattgctt cttagcctta gcaaaagcta caacttcttt 180
 tctactgatg agggataaag aaagnttgat ttaaggaata ggatgaaatg gtgactaagg 240
 tgggaagggt aatgaagggt aggggtgagg tgttgaggtt ttaagaatcg cattattaga 300
 ttcttggtct ttg 314

<210> 9517
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9517

cctcctgaac cgtctactct taaaactaat actaatgatg gctattntac ggacccatgg 60
 atgtcaagct ctggcggtgt cattcgtaat cattatgggc aatggatgca aagattctca 120
 agctattgcg gttttatgtc taatatcatt gtagagctta ttgcaattca ccacactgca 180
 atctttttat tgctaagtct agtggctctc agtccgaggt atgcaaaata gactcaaccc 240
 tcgcacttca tcttatcaag acaagagttc ctgcactca tcctctcacc ccccttggtc 300
 gacaattcaa aacgctaatt acttctcaat gattc 335

<210> 9518
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9518

agcttggaag gatgcttcaa tggaggaaaa gttagtggta gtattttaga gagngggag 60
 cacgaaattg aaggaataaa agagggagag aagcggaact ctgaagtatg tctcacaaga 120
 ctctcattca tcaaagttac aacaaatggt acacatgctt ctatgtatag actaggtagc 180
 ttccttgaga agctttcttg agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240
 gagaagctag agcttagcta cacacacccc tctcataact aagctcacct ccttgagaaa 300
 cttccataag aagattccta aagaagctag agcttagcta cacatacctc tttaatagct 360
 aagctcacct ccttgagatg agaagcttga acttagttac cta 403

<210> 9519
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9519

agctntgact aaactataca tttgattaac agtttgagag agagagagag tagaaagaca 60
 attagacaag aaacaaataa aataacttat ctcaaacaag tgattaagtg gtacagttta 120
 tcgcttatag ttctagcccg tagcttaagt tggataattc cttttcaaaa gaattgaccc 180
 aaggaaaaaag tttctatgat ttctggggag ggaacccaaa aaaactaggc ggcttcagga 240
 tcagtggaca atcatgaaaa aaagagagag aagacaatat atagtctaaa ccaagaatag 300
 aagaactgat ggatcttaca aattaaacag caaccaacaa gaacaattga aaagaaatat 360
 aaaacagtga attaacacac acagaagaac aattaacata tgagatggct attattgatg 420
 gagtttgagc tacatgctgg ta 442

<210> 9520
 <211> 184
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9520

agctntagct ctcagcccan actctctttc acaaattctg atttcaggct taaataggcg 60
 gccttgttcg tgcttggtgca cttagtggaa ttctgaaccg cttagtgcac attagtgaat 120
 ttcgacttag cgcatgcctt tctcgctcag cggatggact gaagcgggtgc acttattgtg 180
 atga 184

<210> 9521
 <211> 517
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9521

cgcccggtgt tgaagcatct gattcgcgat cctctgagtc acctgcngca tgctagcttg 60
 tangaaatat gggtaacctat cacatgtggt actacgtggt ggtcgggcca tgggtgcacaa 120
 caagtttttc cacattcatc aatcacggct ataccacca ttccctgttg cccaccttca 180
 actgagctca cgtacacca cgtagcccat attcttttgt atttcaaacac cgggtttctca 240
 ataatccttc caagcttccc caacattcag gtaatactac attctaatag cgcaaactat 300
 ctcatcttaa aaatcattgt aatgcgtaaa actttgtcta aacaaccacc caaaattaca 360

atatttttta tctaaacacc ccacaacaat ttcttctatc catttctgac gggtggggga 420
 atcgaaaaat tctgggggct ttagtaataa tatactttta actgtgggat tatttcataa 480
 taaaaactaa ttttaattct cttctctcac cacaaan 517

<210> 9522
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 9522

ctcgctaagc caatttgctg gcttagcgag catcgcgtaa gcacaacact cctatgctta 60
 gcgcaaggaa gactctggaa gaagatgagt gtgcgaacgt gccctttcgc gggcgagcga 120
 aagcgaggct caccgggtgcc ctgtcgcaac gtttatttgt ggaaaacgtc ggaaaaaccg 180
 aatgaaaacc ggctcaaag aaatttctaa gttcggaag tgtatttact ttgacgaac 240
 gtattaacac ctctcacgtt tgtctcaaac gacaacagcc tattttttac aattgtgaaa 300
 ttgcgttatg gaacctttta tttctttttt atttttg 337

<210> 9523
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9523

gagctctggg ccaggccacc ttcttaatga atagctctac actcatgatt ggcctttgct 60
 gggccaattc ttgcaagcta cgcataatga gaatttgctc tttaaacaag ctctgcaacc 120
 tagcatctaa agtctgggag ctctgggcag atgggtcgac tgatcctgga ggtggagctg 180
 gagtaaaaaa tgaagggatg caaactattg gtgcagagga agagggaaca tcagctgctc 240
 taagcttggg tcttcttgcc actagaaaat aatngattgg tcattcacat gccaacagtt 300
 ccttgtaata taggccaagt taatgatcgc gctcaaactc 340

<210> 9524
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 9524

gctgtagggg taagtctcac gattgtcatg tgctcatgca acaattgtta gccgttgcta 60
 tacgagacat cttgccaaac aaagtcagggt tagccataac tcgtatgtgc tttttcttcc 120
 atgctatatg tagcaaagtc attgatcctg tcatgtttga tgagctggaa aatgaggccg 180
 caattatact gtgtcagttg gagatgtatt ttccccctgc tttctttgac atcatgattc 240
 acttgattgt gcatctgggc aaaaaaatca aatgtttgtg tctgtttat ctacggtgga 300
 tgtacccggg tgagcgatac atgaagatct taaaagggtg tacaagaat ctatatcggt 360
 cacaagaatc tattgttgag aggtacattg cagaagaagc cattgaaata tgttcataat 420
 acattg 426

<210> 9525
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 9525

tttctgagtg tgctcatgga cgtatgaaca tacattgggt gctgatccac ttcgaaactt 60
 tgtgcctgct ctatatgctc ctaatgacat tcgttacttc ctagtctctc acactaacia 120
 ttaggtttct gaacatttgg tgtctccacg gtatctcctt aatttagagg aattactggg 180
 caccttctcg ttacacgaa gacaaggga cattgggtcct caaacatgcg gataatgaga 240
 tctatatatc cactgtcaaa attcatcttt tatagatgca atatatgata tctattgtga 300
 agagcgggtat attccctatc agtgaagcc agacgcata agcacaaaat gattttctat 360
 atcacagcta tgggtgatca attacttacc ggaacgttct tctcgtctat ctataaacat 420
 ct 422

<210> 9526
 <211> 482
 <212> DNA
 <213> Glycine max

<400> 9526

atagcactca tagacttatg acggcttctg cgcccataga gaatcgtggg ctacaatgcc 60
 agagacacac gagagatctc attatcttcc acgctcacia gatctgtcat attgacatct 120
 tactcccagc tgctggcatg tatagtccta cggctatgcg cataatcttt atgggtgactg 180

agaaccaatt gcctgataac acgctgacac ttgagtggtc tattgcgccc tccttcacgg 240
ccacactaca agaccgttga cacacgcata ttcacatct cttactcact tgggcgtggg 300
gtcactactga ctttagcatc ccgtccacga gtggatatac ccgggaggtt atcgctattg 360
ctaaccctc ttagtgtgca tatgaagagg atatttggtg cacattgcag ctatacattg 420
aacgaagagg agcgtggccg tcttttctga ctctattaag ccgtatgaga tttcgccgac 480
cc 482

<210> 9527
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9527

agctctcttt ggaccttgaa caagcaatca actcctcttt cagaaccatg ctatgtgctc 60
gcgactgggc cctttcttcc cttcgcaact tgagttcatt attgcttccc catagagctc 120
cgcgaaatgt gttccggcca tactcttctt tgcgagccct cttgggtctct tgttcaaggg 180
ctcttgcggt aattgcattc tcttcccga acccggcaca ctcttttga acgtgtgtag 240
tagccaactg ggacttctcc ttggcgagtg ttgcctttcc taactcgctt tngagagctn 300
ggacttcctc gtcctcttac ggtgcttcaa aattctcttc gctgacgact tttaacttgg 360
cgagccaatc taaacctcgt atgcgaactt tcagccattc gtggtaccca ccaatgatgc 420
cattacgaac gcctctaagc tcttgatctn tccttaacgg cggttcccat gccttatgga 480
t 481

<210> 9528
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9528

cgcataaccg actaaggcat tctatgaatt taaaacaatg aaggattggg gcttagcgca 60
tcctgttgct aggcccaatt catgaaagt caattccagg gaggaaattg agcttagcgc 120
gcttagcgct gctacaataa ttnttcaaca aagaaggaat tgcgcttagc gcatcatctc 180

tagcacgtcg tagctatgat tatgcactga gtacactacc gtgcataaa cacattttgt 420
acaacctgct tcagagatat aagataacac acaccccaca tgggaaagaa aatgcaagat 480
atTTTTgtcg tcccccatc agatcagcta ctacactatc caccttagag ttctgtg 537

<210> 9531
<211> 267
<212> DNA
<213> Glycine max

<400> 9531

gtcatcataa tatactgata ttatccatgt taagtatgta tatcacctaa ccatgtcgtg 60
ctgccgtaca tatctcagtt ctcaccatta gttttctgta aactagatcc tggtagatca 120
tcaatatgac cataaatcat gttcagttag ccattttgat gtgcattggg agttgaaact 180
tacaataata gttgtcacta tcagtatctt aatcaaatac tatctaaaca aggtccctct 240
ctccccccca ccaacctccc cttctcc 267

<210> 9532
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9532

agcttattaa aattgatgct taaatgttct atagttatta ttgcaagtt gctactttta 60
taatggattt attatgcact tatgcatgca ttanttgat gttatttggt tagatctaata 120
aagctttatg ttcttagatt gttatatctt gcccaactga ttaaggcttc taatttgata 180
aattcagtct tgaggatgga gcaagatggt gagagtttgt ctttcatggg cacacacaca 240
gactgcatgc gcaataatctt ggaagaacca aaacaagata actctttcat ggtaatggct 300
ggacgtataa ttgattttt tgttttgctg tattgcttaa tgcctgtgt ttcatTTTgt 360
agtttgtaac atcacagggt aaaaatttag tctaacattn ggtatcaaag cattaa 416

<210> 9533
<211> 364
<212> DNA
<213> Glycine max

<400> 9533

attatttgta tgggttgaat gttgaattct ggttgctcct ggtgcggaga tgatggtaca 60
gccggtgaac cagaagctgc agtttctttt ggtgaggtag ccatggaaaa acagagcggt 120
tggaaacgatt tcgtaaactc cggaaaacta ttgggaaatg ctggtaaaaa cacgaatgcc 180
aagcagatat aaatttgaat gaagaatgta gagaggcggtg tgaagcaacg gtcgaatttg 240
ctttgtggtg aacgtgctat taatgttaag tgattcggtt gggcacgttc agattgcagt 300
agctgctata attcctctag cagacaaatg cccagcttgc cctcagttt ttcaaactga 360
tttg 364

<210> 9534
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9534

agcttanggt ttatggatac ttcactaata ttagggttta cgagtttacg atttatgggt 60
tattgagtat ttaaggttta gggtttatgg tatttgacaa attatgattt tttgttacat 120
cccaaattac caaataaggg tatttgacta gtaagggttt acggatactt gacaaattac 180
ggttacttga ctaagtaagg tttacgggta tttgaaaaaa ttaggggttt atggttaatt 240
gacaaatcgg ggcttatgtg tatttaacta attacggtta cttgaccaat taaggcggtta 300
gggttacttt acaaatactg ngttaggggt atttgactaa taacgggttaa tgggtagttg 360
agtaattatg gtttattggt acttgaccaa ttaacggtta ggattatttg actaa 415

<210> 9535
<211> 255
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9535

ngcanacttc tancaaaatt aagtgatcac aagtttttca ttggagaaga aggggatagg 60
tgacctgatg gtagaagggt ctttaacatc gtcatcatat caagagctat ggagaagcat 120
tangaatacg aatgggaagg ggataggtga cctgcttcaa tgaagttcca aacatctact 180
aaaaatcacg ttagttgcta tttcaatgtg attctggatg atccaacact gaatcaaagt 240

cgcacacaaa ctgac

255

<210> 9536

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9536

agcttacctg ggtaatgtat acgtcaagggt gttcatttgg atcattagta ccatcatact 60
tcttaatggg caaaattttc agtttgaagg aagagtcgct tccatgatgt cgggcataaa 120
agggttcttg aattgtagca actgtctccc caaagtatta agtgatgggg aaatagtttc 180
ttgacataca ctttaagttag tgggtcttga cacactgaaa gtccttgact taatgtctct 240
tcctgaactt tgggggtgtgt gacctattac attctttag atgtgcattt tcacgtcgaa 300
gggcgatgac ttcttcggcg tgatgacgat gcatgtccaa gacctaaagt ttagtcttc 360
gcacgactga ggacaaggta gtctaattatt ctacatgaat ctcttgttt tgtngatctg 420
gtggttggtc cattgttgct gtattcattc cacttctag 459

<210> 9537

<211> 310

<212> DNA

<213> Glycine max

<400> 9537

tatccggggc tccattagca aagccttcat agagaaatat tgcattgcca gcagcaggag 60
gaaggccagc agcagccagc tgcaggcgca ccgctgccat ctttatagga gacaccatcc 120
ttggagtcca tatccgctca cctgaggagg atggagctct agatgcacgc ttacatgcag 180
catgtgacta gccagcagc ggctaatac aagggtcagg ttagctaaa cgagagcttc 240
tacaggtaca cccaacacca gcaaagccag gacctcagtc ctttccogtg acctaccccc 300
gagcaattta 310

<210> 9538

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 9538

cctatagaag gttcgttcct aatttctcta caattgcac acccttcaat gagctggtga 60
 agaagaatgt ggcatttacc tgtggtgaaa aacaagagca agcctttgct ttgctcaaag 120
 aaaagcttac taaggcacct attctagctc ttcttgactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctagagtg ggagttggag ttgtattggt acaaggtggg caccctattg 240
 cttatttttag tgaaaaactt catagtgcc aacctaacag ggggggttcat agaactacca 300
 agaagtcccc ttttgagggt gtctatgggt tcaatccctt aacaccgtta gacctcantt 360
 ccctccacta gacacttctt tatacataaa g 391

<210> 9539
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9539

agctngtggg tgcgggatgg taggggatca ngaaggaggt gttgacgaag aatgtttcca 60
 agaaggcgaa gaagataaag tgctatttac aaaatgaata ccaaagcctc aaataatgta 120
 ttgggtcatg actcttttgg attcacattt ttttttatta ttgttgata tagttgtttc 180
 attgtcccta aggttttgct tcaattntgt ttaaattcaa gctgccatgt caaggaaaag 240
 gaaaaacaca cgcagaggct caattgtatt aaatttgggt ttgggttctct tgctttaaga 300
 attgacttct ctaagtctga caacatcaaa atatacaatg gaattcatgg atgcttatat 360
 caagtagcta tttgattttt aaaatttcta agtttctgat tataaagcac ttgatctcct 420
 tngtaatctt tcattatata attttcatc 449

<210> 9540
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9540

ntagctctca tgagtgtctc aatcttcagt gatagagctc gcactctgctt tcctaattta 60
 gttatggatt catctttctg cacctagttg acacctctct tcgtaatcgt cctatccctt 120

aagttattgt agggggttaga acacatgtct tcaatgattt tgatgatata tgtaagggt 180
ctaacatgag attgccataa caagcaacat ctaaacttgt cctattatgt gaggacattc 240
caccatagaa aatatcaacc aacctttgtt gagaaaagcc atggtgagga caacttttga 300
tcatctcttg caatttttcc taagcttttag gtagactctt ttgctccatc tgcaaaaagt 360
ttccaatgtc ccctaagtga ttgatttgcc ttcatggaaa gagaaatacc 410

<210> 9541
<211> 442
<212> DNA
<213> Glycine max

<400> 9541

agcttcctta ttagaaatga caaatcgcg c gatctacat atgttataag agacaaatca 60
tctatgttgt taatgcgagt aaaactaata agctcgtcaa atattcta at agagataggc 120
attagcaaaa tacttcacat taataatatg attaaaaaaa acaaaccaac cataagctaa 180
aagcctaaaa ctcatatcgt tgaaaattca agattttcat tattttaaca tagatgcttg 240
aatataacat gttgcatcat gtggcatagc agattgagtc attgacaaac tctcaagcac 300
cactataatg gtgatagagt atcttaaaaa gagaaatgct gtatatttcc tcttataata 360
tttcttaatt aattcttcta atatcttata aaacaaatac taaatgaaga attatgaagc 420
ttaacatttc gaccgattaa at 442

<210> 9542
<211> 284
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9542

tgcataagtg atgaacgggtt atcttcctct gttataaata gtttgttcca cccaaactct 60
agtagcataa acttcatcca atttttctta taaagttttt catttcaa at ttaataatta 120
taggcattaa aaggagagcta tagaaatcac aagacaaaag ggccaagttg agtgtactgg 180
gcatggctnt gtgtatgacc attacagcat atagcttagt tgacacactt tcgttctttt 240
ggaaatgctc taacatttaa gaaaatttga tcctttgaat ctca 284

<210> 9543
 <211> 366
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9543

 gcttgagcaa attcaaacga caataacctt ttactcggat gtcttgatga gtcccgtaat 60
 atatcgagac gctcgaaatt gaatggtgaa gctcttagtc aattcatacg acacataact 120
 ttactcggga tgtctgattg agtcccgta tatattgaga cgcttgaaat tgaatggtga 180
 agctctgagc caattcaaac gacaataact ttttacttgg atgtctgatt gagtgccgta 240
 catatcgaga cgctcgacat tgaatggtga agctctgagc caattcatac gacaataacc 300
 ttttacttgg atgtctgata gagttccgta acattttgag ctcttcgaat tgaatggtga 360
 agcttt 366

<210> 9544
 <211> 297
 <212> DNA
 <213> Glycine max

 <400> 9544

 tttcgagcat ctcgatatat gacaggactc aatcagacat ccgagttaaa agttattggc 60
 gtctgaattg gctcagagct tcaacattca atttcgagcg tctcgatata tgacgggact 120
 caatcagaca tccgagtaaa aagctattgt cgcttgaatt tgctcagagc ttcaacattc 180
 aatttcgagc gtctccatat gtgaccggac tcaatcagac atccgagtaa aaagatattg 240
 tcgtttgaat ttgctcaaag catcaacatt caatttcgag cgtctcgata tattaacg 297

<210> 9545
 <211> 482
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9545

 agcttcaaga attatggcct catcaaacta cttgtttccc gagggaaatt ctataaatag 60
 acctcccatc tttaatggag tgggttacca ctactggaaa acccgcatgc aaatctttat 120

agaggcaata gatttaaata tttgggaagc catagaacaa ggaccttatg ttcctctat 180
aatagctgga agtgcaacaa tagaaaaacc tagagcagat tggactgagg aagaaagaag 240
attagtacaa tataatttaa aggccaaaaa tattattaca tctgccttag gaatagatga 300
atactttagg gtttcaaatt gtaaaagtgc taaggatatg tgggatacac tacaagtaac 360
acatgaaggc acaacagatg ttaaaagatc taggataaac actntaactc gtgaatatga 420
actttntaggt atgaatgtaa atgaaagtat acaagacatg canaagaggt tcacacacat 480
ag 482

<210> 9546
<211> 362
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9546

cgcttctaca tctttggcaa ggcattgtcat cttcctgtat agagcacana gcctactgng 60
ctgtaaagac ttgcaacttc tctatggacc aagctagaga agaaaggaag ttgcaactaa 120
gtgagctaga tgagatccgt ttagaagcct atgagaattc caaattctac aaggagaaga 180
caaggaagtt ccatgacaga ttcatagcta agaaggactc tgtggttgga caaaaagttt 240
tattgtataa ctctatgctc ggactcatga gtggttaagtt aaggtcaaag tggattgggc 300
cttttgtggt gactaatgtt tttccttatg gtacagctga gatcaaaagt gaatccacag 360
at 362

<210> 9547
<211> 467
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9547

cttgtctcat caatcgactc aaccctttgc caccatcaag aacaagaatg gtgctatgag 60
atcctcttgc ctaagtcccc tttgaatatt aaattcttta ctcgaactac cattcacaag 120
gatggatatt gatgcgaatt caactcctca tataatccac ccaatctatt tctcacaaaa 180
acccaacctc ttcattcatat aatataaaaa ctctcaatta gtcgattcat atgctttttc 240

acaatcaact ttaaataaca aacaatcttt tttcctcctc cttacatcat tcaccacttc 300
 atttgcaacg agaaccccat caagcaaant tcttcttccc ataaaagcac attgcctttc 360
 atcaataacc tgtcctaaca ctatttttag ccttgtagct aacaatnttg agattacctt 420
 atacaagcaa cctatcaagg aaatatccaa aagccttgag gattcac 467

<210> 9548
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9548

tcaatcacaa ctatngcggg ctctctacc atctctntat cccaattcca gtccttggat 60
 tcatcaacta ccacatgtgt actcacgagc acttcttttg ttactggatt aaacaatttg 120
 taaccaccag tggcatgata acccagcagt atcattatct gacttatgct atctaacttc 180
 tttctcaact gatcaggcac atgtttataa caaatanagc caaaattttt aaaatgacta 240
 accactgggt tgtgtncaaa ccattgcttct tcaagtgtga tgttattgag cctttattgt 300
 gggtctcat ttatcacata cactgcactg gagatagcct ctgcccatag aaaatttggc 360
 agcttctttc cattaagcat gcattctg 387

<210> 9549
 <211> 201
 <212> DNA
 <213> Glycine max
 <400> 9549

gtatgtgctt aatgcaaag ctctgggcaat tcttgataga gctgacaatg gatgaaactg 60
 gctttcaatt gtctcgaccc gttattaatt tcactattat aatcaatgcc agctaagttg 120
 tactgccatt tgctaacaca aaatgaaata tttcgcttct taagatcgca tattctacag 180
 gaaagtctaa ttgatcattg t 201

<210> 9550
 <211> 75
 <212> DNA
 <213> Glycine max
 <400> 9550

gatgtactct accgagtcca tcttggatac cagctaggtg gtatggctcg gcatgtactg 60
tctcggacga tggga 75

<210> 9551
<211> 359
<212> DNA
<213> Glycine max

<400> 9551

gaagatctct agtgatctac gaacggaatt ccaaatcgaa atataatata gtttggccaa 60
gagatttaag ctaaaatgtc tttttcaaga gatttactct ctggtgaatc gattaccaca 120
ggatggaatc gattaccagt ggccaaaatg atttataaca gccattacaa gtttgaattt 180
caattctaca ctgtgttatt gagtacacat gaatggatc cgattaccag cagttgctaa 240
aacgttttga ttcaaattt aaagcctgta atcgattaca caagtcttgt aatcgattac 300
cacaggagat tcttagaaaa ttatttccaa aggtcacaat ctgttcaagc gggtttttt 359

<210> 9552
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9552

agcttcatga tgatgaacca agcaattgtg atgatgccaa aagcccaagt gattgattca 60
agacttcaag atcaagaatc aagaatccag tccaagattc aagattcaag agaagaaatc 120
aagaagcaac aaatcaagac ttcataaagg ataagtatta aaagaattnt tcaaaaacca 180
aatagcacag ttttgtttta caaaagaatt ttctcaaatt ttctaagtta ccagagtgga 240
tactctctgg taatcgatta ccagttatca ataatcaatt accagtgatc agtttggttt 300
tcaaaatggt ttcaaaggt ttgcaacgtt ccaaaatgat tttcaaacag tgaaatcgat 360
taaactatat tagtaatcaa ttacaagtga atctgaacgt tggaattcan atccaatggt 420
gaagagtcac aacttttcat aaaat 445

<210> 9553
<211> 351
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9553

tgtcttgtgc ataattaggg tacactntat agaataccca gggcacaaaa ttacagaatt 60
gnggatttct aatgaatagc ttatgtaaat acataatata taattgattg tgttttctat 120
gatcaatgct tcatttaatg cttgatgttt gtatgctttt ggtctgatca cccatttgtg 180
tgtacagtta ggtgacttta gcattgggaa atgtactgtt gccttataac ttgattgaag 240
caagatcgaa acttagtctt acatgaggga ttcgcggatn gagttttggt ttttaattatg 300
ctgttacaat aatactgttt agttacgcct agtctacatg gggatctggg a 351

<210> 9554

<211> 332

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9554

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taaaaagata ttgtcgtttg aatttgctca gagcatcaac attcaatttc gagcatctcg 120
atacgtgacg ggactgaatc agacattcga gtaaaaagtt attgtcgttt gaatttgctc 180
agagcatgaa cattcaatnt cgagcgtctc gatataattac gggactcaat caaacatccg 240
agtaaaagat attgtcgtnt gaatttgctc acagcatcaa cattcaattt cgagcgtcta 300
gatatgtgac gggactgaat cagacatccg ag 332

<210> 9555

<211> 314

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9555

ntgagccaat taagacgaca atatctttnt actcggatga ctgattgagt cccgtcatat 60
atcgagacgc tcgaaattga atgttgatgc tctgagccaa ttcaaacgac aataatattt 120
tactcggatg tttgattgag tcccgttaata tctgagacg ctcgaaattg aatgttgatg 180
ctctgagcac attcaaacga caataactct ttactccgat gtctgattga gtcccgtcac 240

atatacgagac gctcgaaatt gaatgttgaa gctctcagcc aattcaaacg acaacaactt 300

tctactcgga tgtc 314

<210> 9556

<211> 460

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9556

agcnttttgag tgaaaggatg tgactcttca tatttaaatt tgaatttcaa cgctctaggg 60

aactggtgat cgattaccac aacattgtaa tcgattacac gcatattgaa aatatttaga 120

acgctgtaaa ttcagtttga aaacattttc aaactcattt tgctactggt aatcgattac 180

cagagagtaa aaactctttg gtaaagggtt tgtcaaaaac tcatgtgcta ttcaaagtgt 240

tgaaacaaac cttttaatac ttatctcgat cgagtctttt cttcattctt gaatcttgag 300

tcttgactct tgatcttaat tcttgagatc ttgaatcttg aatcttgatt cttgtttgaa 360

ggctttcttc ttgaatcttg aattattctt gattcttgaa ctcttgactt gttctcgatt 420

ctctggaaat gttctatgat tcaattgagc ttgttttcat 460

<210> 9557

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9557

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gaagtotaat tattgtgatg cgaaacatgc tcttactcct tatgactcat ccatcaagtt 120

aaagaaaaat ttgagtaaat gaatttcttt acataaatat tctcaaagta tcggttcttt 180

gttgcatctg acaaacttct ctatgcctgt ctgatattgc acatgcagtt ggtagattgg 240

aaagtaattg agggatttag tgatataaaa tcgaagttct gattttgatg aaataaaaaat 300

gagaagtgcg tatgtctttg ctctagctag ttgcgcagca tcatgaaaat ctactagaca 360

agttattatc tcacatgaaa g 381

<210> 9558
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9558

agtcttaaaa tattaattat tttataacat tcattacatg gaacaaaaaa cattacttaa 60
 tcgagtaaat aatataataa ttaaataaag ttctaataat ttaaaatatt tataatttta 120
 ttctttaaat ttagtttttag tttagattgc atctttcaat tttttgaatc tgtacttgag 180
 ttttttaatt ttttaattgca ataatatatt tattaaaaaa attatattat tcattaaata 240
 attttaaata tatatctcaa ccacttgcaa tctctcagta tctcacacag ttgtactata 300
 taaaanagtt aaaatatgct tttcaccatc atataattag agatgtttga catctatctt 360
 tgncttttta cagaatctaa tatattctct ggttcttata aaattacaat attctttttg 420
 tctcgaggaa gatttgaata ttgaatctat 450

<210> 9559
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 9559

ttgattctat atgtgtgctc taattcaagg gcataatggt gtcacccctat gtctaacatt 60
 gatttcoctta tgatatattt tctttttggt tttttagaag ttatcctctc tcgagcgccct 120
 aaccocctaaa actgatttat gcatattttc tttagatttt tattaagagt taccctctgt 180
 tgagcatcta acccgatttg taaagatgag tattgcatga aatataaata agaaaagaca 240
 atacgataga aaacaccttc tacatttata aatatggagt acatcataca tctctttg 298

<210> 9560
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9560

agctntaaca tcacaagtaa gttccttgct ctnttctttg ttatttcatt gaacttttagg 60
 atagagaacc ttagattaag ttttagattn ttagggtttt accgttttag aagtagtta 120

catTTtagga cTttTcacat gTttTgcatt atatacattg aactgagggt tgTtcatgtt 180
 tgatatgcct gTtagaggcc cggaaaaaag aggaaaacga gctgctTTTT ctgcattttt 240
 ttctggaaaa tgcgatgaac tcgctaagcg aagtcacaa tattcattga atatatgcat 300
 tntctggaag aactcgctga gcgcgcctac cgcgctaagc gaagttatct tttgaggatg 360
 aatattcatt ctcttaataa agtacctatg gctaagcgag gctgattcgc tagcccatgt 420
 acttagtcaa aatt 434

<210> 9561
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9561

tgcttaacta tgtatggcaa aatttcatta ctggtgttca agacatacaa gtgaacttgt 60
 aacaaatctt ctacacttgg agtgatcaca tgtagtcctc ttgaaccctt accaccact 120
 ctgtcatcat gccgagactc angaaggcca acaggtttag ccttctctaa gtattctgaa 180
 caaaattcaa tggcttcttc tgcaatgtac ctctcaacaa tagaagcttc tggatgatat 240
 agaatctttg tatacccttt taaaatcttt atgta 275

<210> 9562
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9562

agttttacca gtgggacgtt actcttaaag caaaaatggc atataacctt ctcccataaa 60
 taaaaacatc aatgtaaatt tagagcaagc ttatgcgcac atttccttac aaacgttctc 120
 cgaaanaaat gcacccatat acaatcaagg cagcttcggt acctagatta ttacaccta 180
 ctccaggtg tatttggtac ttacatcaca cacatctnct tggctaaatt cacatacatg 240
 cataccctaa gcatttttgg gtaccacaaa tgcacatgtg cacatcttgg tatctctaatt 300
 acctatacat acacacaact catgatgaat cttgactatc tacacaatag gggctacatt 360
 tcatgctc 368

<210> 9563
 <211> 476
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9563

agccttgaca cgggtattca tgtttcatct aggccctttg agtgtgtgca ttcaaantna 60
 tggggactat ctagagtga aactcatggt ggaagctcat actttctcac catcatagat 120
 gattttctcaa gaaaagtatg gttgtatggt ttgaaaaata agtcagaagc ttttcaaaaa 180
 ttcagagaat gacatactct tgttggaat caacttggt caaaattaaa agcttttaaag 240
 actgacaatg gcctgtagtn tgtttcacag cagttcaatg agttttgcac gaaaataggc 300
 atcaaaaggc acaaaacagt tcctcacaca ccacaacaga atggtttagt agaaagcatg 360
 aataggacca ttttggaag agttagatgc atgctactaa gtgcacgact gccaaagaac 420
 ctttggggag aagctgcana tacaacagca tatttgatta atagatgtcc ttcac 476

<210> 9564
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9564

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 gatggtgcct cttctcacct cttctccttt gtcttccgct gcctctccat ggtggaaaat 120
 caccaataaa ggacctcatt gaagctcaaa gatccagcct ccatagaagc ccacaagca 180
 agcttccatc aagtggtaat cagagcacia gagcttcaag taggtgctcc ttaaacctcc 240
 attaattttt ttgctttac cttctcttcc attgttggtt cttcattttt ttcttcacgt 300
 atctnctcat atgtcttggt ctaaattttg ttaacatgat tcttttagagt ttccaccgat 360
 taaactcgct atagaangta catttgatct tctat 395

<210> 9565
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9565

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agcttatgcg catatttccc tacgaacggt cacttgcaca agacatccta ttaactaaga   60
aaaatgcacc catatacaat caaggtagct tcattaccta gattatttac atgtacttcc  120
aaagtgtatt tggtatttac atcatacagc ccattctgtc aaaatttaca cacatgcata  180
ctcaaagcat ttgggggtac caaaaattgc acatgcgctc atcttggtat ttctaataatc  240
tatacatata caaacttcat gatgaatctt gactacctac gcaataaggt gctacatttc  300
atgctctttt tttttttttt tttttcaagt ttttgctacc taaagccata tgcaaattca  360
agcatatctt cttttgctga ctaaaattgt attcaaatna gaaggatatna tattttttgt  420
aatatgtttc cttcacataa catgcaacac atctatatat ata                        463
```

<210> 9566
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9566

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ccttctctta attgtctntg ggcttggcga ccacgatcaa caaagtactt tcggcaccta   60
ctatatgttg acttgaccaa cgctgttatt ggaatgctgc gacaatcttt caacacctta  120
ttgacacatt ctgatagggt gggtgtcatg tgaccatata gtcgtccaga tgtatcgtaa  180
gccatgctcc attnttcctt tgaaatgcga tcaatccatc ttgctatggc tggactcagt  240
tgacgaacat tttctaagtt ttgatcaaac acatgcttgc aaggagtgtg cgctgcatca  300
aatgtgttat catcaaaagt tgtacgtaga catcaaactc caattanatt aatgtataaa  360
atcaacccta cccaatttct tgaacatct                        389
```

<210> 9567
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 9567

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agcttgataa gtgaaattag gtgcagccat ctccctaaga gttctctcac gaggtggagg   60
ttgagccatg ttctcagtat gaaaattagt agtggaatgc tcaaaatcag aatattcaga  120
```


atcacccctca acagaatgct cagaatgacc aggatgcaca ctatgcctaa ctaatctatg 180
aaaggttcta tctatttcac gatcaaaggg ttgtaaatca cctggattgc ccctagtctt 240
gcactatatg cagcaaatca tgtattttctc aaacaagcac caggggtaaa aacggggtaa 300
aactaggggt aaaactacaa ctatactcaa acgatatcca aatgagctaa aaatttgtga 360
gcaacaccct aaaacatgtt gcttcctctt gattcacaag caagtctctt atcctacgtt 420
acgaagaatt atcctaaaac atg 443

<210> 9568
<211> 201
<212> DNA
<213> Glycine max

<400> 9568

ttcttggtgg tgatgaacaa aagcgcaaaa cggaatcaaa aaatgcgaaa aaggatgacc 60
ctatggctgc aaactcgtca atcccgtggg tatggctttt gaaagggggg aaaagaagtt 120
tttgaatgta aaaacgcccc ccctttcgtc attcttataa ttaggtgcac ggggtggctcg 180
cccacgagag ctaacctgca c 201

<210> 9569
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9569

ctatacgaga catcttgctt aacaaagtca ggttcacgat aactcgcctg tgctttctct 60
tccatgctat atgtagcaaa gtgattgatc cactaatgtt tgatgagttg gaaaatgagg 120
ccgcaattat actgtgccag ttggagatgt attttcccc ttactttttt gacatcatga 180
ttcacttgat tgtgcatttg gtcacagaaa tcaaatgggtg tggtcctgnt tatctacaga 240
ggatgtaccc ggctgagcga tacatgaaga tcttaatagg gatacaaaaa tctatat 297

<210> 9570
<211> 397
<212> DNA
<213> Glycine max

<400> 9570

ctctgaccta atattacata gaacgaataa aatagagatg gatattcaat atatagatag 60
aagaaaagaa aacacaatca ttttctactt tctagtttgt ctaccatgct agaaaaatgg 120
aattgtttca atacacatct ctcatagaaa caaactaaac ttgtcactca ttcaatagta 180
aagacgatac aaagtataat ttaattgatg acattgtcat actgttagta cttcaatgta 240
tattattggt gatacgcaaa cttgtcatca tgtggttccc aacacctcta ctatcatcat 300
ggagaatacg cctcgagtac taaacattgt gttaatactc tgcttgcaat agaataatat 360
tgaaatagca ttaataatag aaagcttgaa tacctat 397

<210> 9571

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9571

agctngagct nttctctccc ttttcatttc agaaattctt ttatgggtatc atagagcttt 60
gtttgatcct tgtgttgata acaatggctt ccgcacaaaa nattcaatct cctcctccat 120
cgtcaatttc attaaactctg gtagaagatt cttcaatttc tgtgactaga acattaactc 180
cagtgatgga gttttcaaca gcagttcctc aaccgtttct gatgatgggt cctcagcctc 240
agccgtgttc gacgatgact ctatagggtg tgacaccact tcaggcattc tgtattccaa 300
ccagcaattc cggcaactgt gacttctttg tcttctcagc cttcctctat ctgcgatgcg 360
atctctgcga aattacaaca tcaactactt gt 392

<210> 9572

<211> 536

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9572

cgcacgcggg attgagncca tcgattttgc cgagccattc tatntacgcg acactataga 60
atactgcagc tctctttaca caaagaacag agaacaatga tttgatgaac aaatacaagt 120
agtgcggatg tctacttcac ctctataacc tcacaatcgc tcacagactg ctctcatgct 180

<211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9575

tactattcga actctactac ttgcctgacc ttatacaaag aagaagaatt tacggttctt 60
 ggtcaaaccc aactagttt ctccgtgtgt gtgtgtgtat acggattggt tgattaacga 120
 tatgaattgt atttacaaga ttacatgaca aaaaatcaac tacttaacag ttaaacaacca 180
 cggagacatt aattatctga caggcaccat atgaacaatc gaaatgacaa gtatcatata 240
 catttttttt aaaaattcat gaactcctgt ttaaacgaca gcaatataaa ctgtactggg 300
 gtgaatatgc catanaaaca gtacactctt aaagatgctt ttattgnaaa ataactttac 360
 aatgttggtt atacgtaaag ggttttggct tcaaaatggt tttaactcct ataaatgagc 420
 gataattgat 430

<210> 9576
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9576

ctgatattgt agtgagtagt aaagttcact cacttagctt aagttntatc gcctttaaca 60
 cacacacata tatatatata cacaatacaa ggcttgatga gaagacagct tgatgggaca 120
 ttacaatgct gtcttctgaa acaagctaaa cacgaaatag aagcatgcat gtctacacat 180
 aatttaacaa gactcactgc aaaacataaa tttattactg agcaagccac aaaatcagat 240
 atttattagt ataaacaaca tatttaagcc cataattctt atctatTTTT tgctcctct 299

<210> 9577
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9577

atattctttt tatttttatga atttaattag aatacagtaa cttcataaat gttttggaaa 60
 tgggtgattt atataataat tactttaaac actatattta taataatctt taattcatta 120

<210> 9580
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 9580

tctaaagaga aacgttgttg ctatatatga aaaaaaatg ttaacaataa caatgatata 60
 ataatatgat actgcaggtg agaatgagag aaaaggggtg caatgcaatg ttgaaaggca 120
 caatgctgaa tgcttgaac tctgcaagga aactcaacac gtctgaattt gaaaattaaa 180
 ctcttgtcc ttacgtgtga cgctttgttt ggtcgggtgca gatattaatg gattattact 240
 cttttctaac ccgcatctct ccaaattatc caattttaac cttttttttt atttaataca 300
 atccgaagtc caaatccaag aaattttcac cccaagatat aaaaaatta ctcaaatact 360
 accogctaaa aattatt 377

<210> 9581
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9581

agcttagcat cattagttct aatgggcatg acttccaccc attntgaaac ataatcaact 60
 gctaggagaa tgtaacata accaaaagag acaggaaaat ggcccatgaa atctatgccc 120
 cagacatcaa acacctcata gaatagcata gggtgctgag gcatttgttg tcgccatgta 180
 agtgcacttc ctgctctctg aactgctca caagtgtac aaatcttcca cacatcttta 240
 aagatgggtg gccaaataaaa gccacagtca agcactttgc gagctgtcct ttgaacttcc 300
 agtgcggaag aatggcanaa ctgcaggact gagtcagtct catgatctgg gatgcacgt 360
 ctaatgacct gatcactgca caatttccac aagtaggcgt catcccaaata aaaatgctta 420
 gcatcact 428

<210> 9582
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 9582

agaggggatgc ttcattggaga aaagaaagag agagagaaag atagacggga gagcatgtaa 60
tcgaaggagt aaaagaggga aagaagttga actctgagtt gtgtctcaca agactcttat 120
tcatacaagt tacaacaagt gttacacatg cttctattta tagcctaggt agcttccttg 180
agaagcttct ttgagaagct tccttgagaa gcttctttga gaagcttcct tgagaagcta 240
aagcttagct acacacaccc ttcaaataac taagctcacc tccttgagac acttctttga 300
gaaacttcct tgagaagaat cctagag 327

<210> 9583

<211> 461

<212> DNA

<213> Glycine max

<400> 9583

agcttcttga ggaagctaca tgaagctacc ttggtaaaaa tggtgcctag ccttcgttaa 60
ccgttggatc ttctcgaaat tatgtctgta gcttcacaag acacttgtcc acgatctaac 120
cgttgggatc gttgagaaga tgtctggagt gtgctcgaag cttccgttct cgagagcatt 180
tcttatttaa gcatttcagc ctttgcttct gtgtagctta agaaaaacgc catttcttct 240
cctttcttct ttgcaaagtc atgtctaacg tcccaagcac tttctccatc acccacagcc 300
accattagcc accacaaacc atcgttgtct ccattgaaac cccacaccga gaggaaacct 360
tcaaccgaag cggaatcttc caactgggct cgcggtttcg gtagagaacg aaaccctagt 420
ctgaccttct atttttcttc gaggaaacca atgttctaca c 461

<210> 9584

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9584

tcataagatt atgtcagcta atggtcacac taaataggta tatntatcta ctttatctca 60
tttaccaccc tatgggaaat gatttttagt aggaagttaa ttgcaataa tagtatttat 120
tcctaatacat ctctggattt ttctcttctc tgatgattgg ttgcaatttg caaatttatt 180
catactgctt ttgtatcaaa ttaatttggc aggaaatagc acaactcaga tagttctcat 240

gaaattttctc caaaagatta aattgtaact tgttttcacc attntgatta ataattatgc 300
tactggagtt gatgtttggtt atttcatttc tttatgggga agttttctcta tctaaatctt 360
aaattaatct ttcacctctt tgtgttggtg agtggatgtc aaaagcttga gttttttttt 420
tntttaaatg aatcacagtc ccactactac tgttc 455

<210> 9585
<211> 337
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9585

gtcacctgcc gcatgcaagc tatggaagct cctgtcttag ctttaccga ttttactcaa 60
ccatnttatg ttgaatgtga tgctagtgga gttggcatcg tggctgtttt gatacaaaac 120
aaaaggccta tagcttattt ctcgagaaaa ttgggaggag ccagattgaa ctattgcacc 180
tatgacaatg agttctatgc cattgtgaga gctcttgatc attggaatca ttatttgcgt 240
tctaactact ctatatggca ttcagatcaa tagtcataga agataataat gggcaccaaa 300
gttattccaa gcttgctaatt gggatgaattc ttcaatc 337

<210> 9586
<211> 131
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9586

cttacaacaa caagcccccga gagactcggc atagcgggtgc acaaaccaaa gttgcgtatg 60
taaaaanaatt ggctgatcaa ctgacgggtgc aaattgcaaa caacaatgaa agctatgccg 120
atcgagccca c 131

<210> 9587
<211> 466
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9587

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 tttggtattg gatatgcagc aaacaggctt tgtggctgat ttaggggtgg cctttgtgga 120
 tgattaggtg ttcttggtcg ataaggtggt gggtaacgaa cagggatgat attggctaag 180
 tatttatatt gttgagctgg tgggaaattt ggccatgtag gaacgacagt cacaacatgg 240
 gttcctcatt cccttttatt ctctccattt gccctaggct tcctattcat caaagcagga 300
 taatcaaatt tgtctcttct cagaccact tcaatccttt cactggcaaa aactaaatct 360
 gcaaaagctt gaagccatgt aaccatcat cttctcatag tagaacattg gtaacgtgtc 420
 tactatcata tgtatcatct ccctcttcat catttggggt actact 466

<210> 9588
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9588

tctggtgatg aagctncttc ttccatggct tatttcttag tggatgacgc ctctctcac 60
 ctcttctctt ttgtcttccg ctgcatctcc atgggtggaaa atcaccatta aaggacctca 120
 ttgaagctca aagatccagc ctccatagaa gcccacaac caagcttcca tcaacgtgat 180
 tgtcccggtg catggtataa tttttcacac aagttgaatg aataaattaa gattttctta 240
 ttaattaata taatatggtt atatataatta aaagtttgca aa 282

<210> 9589
 <211> 215
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9589

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 acctctaaat cactctacaa ctactattc tctctctaata tgaagaatcc taggnntctc 120
 tgcaaagctg ctctcttgc cgtcttcaga gctgctatct ccaaattagc actatggcgt 180
 acttgctctg gaattctgta ctggttgcta aaatt 215

<210> 9590

<211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9590

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 agtacatggg aatcaaaaca gatataataa tgaagtggac aaagatcaat tataaattat 120
 aagtcataac caaccaacaa cataaacaag acataaccaa aataaaatcc aatcagttca 180
 aaaattttaa aacacatagt atcaaaacat caaagtctaa aatccaaata ctaaaagaaa 240
 aattaagtac tgaaaactat aatctaaata tcatagccaa aatacacggc ttatatgaaa 300
 catagaatta taaactaaag tctacgaatg tggaggtggg ggtggaagat ctaaactctg 360
 acgaatgtaa cccacatctt cttcatgctg tgtgagacgg atatccattc gggcaaagcg 420
 agtatccaac gagtctaaac gttcaccaac ataa 454

<210> 9591
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 9591

atcagtgttt tgagagatgc tcttttatcc agtccatgca aaaatatctg aggtcattcg 60
 gtatttgcga aagtccttca tatctttcat tctcaatgtt tccaacaaaa atcctctagt 120
 tgtgttctaa tccgactata agtttcacaa aatactgggt gtcgattctt ttcatagcct 180
 cttatgttca acaaataattt tctgacttag taccaacaag aggtgtaaac tataagtata 240
 ctaagcta atcacagcac atgcttatta ctccaaatac actcgtgtaa gtaaataagg 300
 taatgacgca ctgaatttta atacaaagcg atcaac 336

<210> 9592
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9592

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tgcaaagggtt aggacttgtg ttagttgttt ataatggaat gagcctaaac acttgagctt 120
 gagtgaaca atgactataa ggctttgggtc aatgatcctt ccttgatata tatcactctc 180
 actagcttat ttcaattgtg actctaatac atatgttcct atcttttgaa aagttgcatg 240
 tttgtgaaaa gcaattgatc gaagcattct atgctactca tttcatatga ttgaattttt 300
 ctatgaaca aacacgtttt ggattgacca ctctgtattgg tcacttgagg acaagtgaac 360
 tgtgcttgag gacatgcaaa actttaaatn tgggggagtt tgtagtcgt cttataccac 420
 t 421

<210> 9593
 <211> 345
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9593

tataagaaca nnaatgccta aatcatttcc aaatatgcat gtgaattatg aagtatcaac 60
 aagaatcaag ccaaggctat tgtgcaagca atcaatgggg caaaacacac caaaagatta 120
 tgatgatgga tgactcaaata tctcaciaag gtaaaacttat cactttcaaa ttgagctttc 180
 aaaactatca tgacatgtag aggaaaaaca aggatttcaa atcacaaaat gtcaagagac 240
 ttttattttc agaacaatta cccatttctt gaacatatcc tataattcaa agaanaatat 300
 gcaaagttgt acatgcaaac ataattgacc taaaatatta aacta 345

<210> 9594
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9594

agcttgata anatatcatc aacacgagaa cccttgtagg agtttgtgag catgtctgcc 60
 aattgatctt tggagccgac aaaatcaatg gtgatttctc ctgagagtac cttctattga 120
 acaaagtgc catcaatctc tatgtgttta acctgctcat gaaagactgt gtttgaagca 180
 atgtggagag caacttcatt ttcacataat agtgtggtat tctaaatgtc tccaaatttt 240
 atctattgga gaagttgtgt aagccatgtg atctcgcatg cagcagctgc catgacacaa 300

tactcgactt cggcattgga ttttacaacg gttttctgct ccttgcttct ccatgagatc 360
aagttccctc caataacgac ataatatcta gaagtagacc ttctatctaa tggtagatcct 420
tgccaatcag catc 434

<210> 9595
<211> 323
<212> DNA
<213> Glycine max

<400> 9595

gatgatcacc aaagatgatg accaagggtga ggacaaaaag ctccagggtc catcaagaat 60
gagttcccga tattccagat agaatcagaa cacttcacga ttcacgagga aagttgatct 120
tcagaaatca gattccagat tttcagaatc aagattcaag agatcaagat tcaagactcc 180
agattccaga atcaagagaa gacttaatcc agataagtat gaaaagggtt tctcaaaaat 240
tgagtagcac atgcgatctt cttcaaaaaca tgtttaccac agagttttac tctctggtat 300
cgataactaga ttgtggaatc gat 323

<210> 9596
<211> 204
<212> DNA
<213> Glycine max

<400> 9596

agctatattgg agtaaaaaca tgggaccaac tcattttatt tcacaaaaaa gggtgtatct 60
agtcaagggtc tgagagacca tacaagtttc ctagegattt ctaaatatgt gggccattaa 120
gtctatcata tgttgacaat agccgagaag cccatgaatc tcttcggggg cggagtaggt 180
gtccgccatc gccttggcct tggc 204

<210> 9597
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9597

tgcctcacag agatctatga aggataaagc ggctgaagga accagttccg ctcccgaata 60
tgacagccac cgttntagga gtgctgagca ccaacagcgc tacgaggcca tcaagggatg 120

gtcattcctt cgggagcgc aagtcagct tatggacgac gagtataccg acttccagga 180
 ggagatagtt cgccggcggg gggcatcact gggtaccccc atggccaagt tcgaccaga 240
 catagtcctc cgaatttatg ctaatgcttg gctacagag gagggcgtgc gagatatgcg 300
 atcttgggtg aggggtcagt ggatcccgtc gatgcggatg ctctc 345

<210> 9598
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9598

agcttaaaca ttatactntg agcgtctcga tatattacgg gactcaatca gacatccgag 60
 taaaaagtta ttggcgtntg aattggctca gaggttcaaa attcaatttc gagcgtctcg 120
 atatatttcg ggactcaatc agacatccga gtaaagagtt attgtcgttt gagttggctc 180
 agaggttcaa cattcaattt cgagcgtccc gatataattac gtcactgaat cagacatccg 240
 agtaaaaagt tatngctcgt tgaattggct ctgagctcca acattcaatt tcgagcgtct 300
 cgatatatta ctggactcaa tcagacatcc gagataaaaa gta 343

<210> 9599
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 9599

ttactcggat gtctgattga gtcccgaat atatcgagac gctcgaagtt gaatgttgaa 60
 tctctgagcc aattcatacg acaataactt ttactcggga tgtctgattg agttccgtaa 120
 tatatcgaga cgctcgaaat tgaatgttga acctctgagc caattctaac gacaataaca 180
 ttttactcgg atgtctgatt gagtctcgta atatatcgag acgctcgaca ttgaatgttg 240
 aacctctgag cctattcaaa cgacaataac tgtttactcg gatgtccgat tgagtcgcgt 300
 aatatatcta gacgctcgaa attgaatgtt gaacctctga gccaac 346

<210> 9600
 <211> 240
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9600

agcttaaaca ttatactntg agcgtctcga tatattacgg gactcaatca gacatccgag 60
taaaaagtta ttggcgatg aattggctca aagggtcaaa attcaatttc gagcgtctcg 120
atatatttcg ggactcaatc agacatccga gtaaagagtt attgtcgttt gagttggctc 180
acaggttcaa cattcaattt ccagcgtccc gatataattac gtcactgaat cggacattcg 240

<210> 9601

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9601

catacgacaa taactnntta ctcgatgctc tgattgagtc ccgtaataata tcgagacgct 60
cgaagttgaa tgttgaatct ttgagccaat tcatacgaca ataacttttt actcggatgt 120
ctgattgagt cccgtaatat atcgagacgc tcgaaattga atgttgaagc tatgagccaa 180
ttctaacgat aataactttt tactcggatg tccgattgag tctcgtaata tatcgagacg 240
ctcgaaattg aatgttgaag ctctgagcct attcaaacga caataacttt ttactcggat 300
gtctgattga gtgccgtaat atattgagac gctcgacatt gaatgttgaa cctctgagcc 360
aattcatacy acaataactc tttactcgga tgtctga 397

<210> 9602

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9602

agctctagaa tntatctttt ataacgaatn tagaagtaac aattgttgat taaaggtgga 60
agattgaaat tataataagt tacatctatt ttttaaaaaa aaaatataat tccacttttt 120
tcattgacta gaagtaacac ttattaatag agaaaaaaaa gcacccatag tataaaaaaa 180
attcattgtc ttttaatgac aaacacatca ttttaataaaa agttataatt ccattttttc 240
atagggcaac cttttatttc gtgatgtggt ttggtgaatg gaaaggactt atgcacaaaa 300

atatagatta agaaccctaa gagaagtaat agtaattatg ttctcaaaaa gggagtagca 360
agaatagtga gagtacaaga gaagaattga aaagggatat gaa 403

<210> 9603
<211> 441
<212> DNA
<213> Glycine max

<400> 9603

ctatgattct ctattcttct gaacaagctc ctcttttttc ttctctttcg ttttcactta 60
aaaacacttc ctgagtttga gattctgtga ctacgcgctg agcgcaagta aatggttgga 120
cgctaagcga tccatgtgcg ctaagcgctc cttcacctga ctgcaggttc tttatgctgc 180
ttcttcatgc taagcaaaaa ccctctcgct aagtgacaat agcccgctaa gcgagcttgg 240
cgcgctgagc gcgatccatc atacttcaac ttctctctct attatatatt tgtaaaataa 300
aatcatcaa aacagtatga attagcaatt taggacacct actacacaaa aattcaaagg 360
atgtcaaaat tctaataaat tacaccataa caagcaatag aatgaaagaa tgttgtaaat 420
tcttatatgc tctaattaca t 441

<210> 9604
<211> 479
<212> DNA
<213> Glycine max

<400> 9604

agctcggaaa ctaaattaat aagttaatta tttttatata catgagaatc atgtaaaaga 60
atttacatca atgagacatg acatgaaaat gagtcaaata aacatatata ttaaaagatg 120
tgttaatcta ttatactttt atatattcat tttttaattc atttttattt aaaatattaa 180
tatgtgagtc ttacacactt tttaaaacta aaatagatat ttatctataa ataagtggac 240
aaaattaata atgagcgata tctttttggt aaattataat atattgctat aatgtagttg 300
taatgtcaga catgtataaa aagatactcc atatgtcttt atctattaag tccaattacc 360
taattaacaa taaatgacaa gaataattaa tctaattaat aataataaat ttgtgttcca 420
ataaacaaaa ggtatagact taccctcaac ctagatatat atatatctat atatatatc 479

<210> 9605
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 9605

tgtctatcga aatctttcgt tcttcgcttc taatatctat tagaaataat attaaatgcg 60
 gccgagcata tatatactct tcatcgatcg tccggatatt tccatgcagt tgaatatgat 120
 gaataaccat tatcactgca actaacgggt taattgattc tatttagcct tttatatatt 180
 gcaattaaca ttaacatact aatacacatt tatacactct aaagtaatgg gttttcttaa 240
 actacaagta ttgttagatc ttgcacaata accagcattt gaataagatg tatgaatatt 300
 ataaatattt tgatatcata 320

<210> 9606
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9606

taatcagaca atcctactat gctaaatata tgccntaac acactgttaa gagattcaca 60
 actgaccatg tgctagttag ggactagaaa gaacttttgg agcatttctt aagtttccat 120
 ttgattcatg cagggttgata ggcaattagc caaataagtt agcttactta ttactctttt 180
 tggcttttga taaagggtgga caaacgactg atatgaggta cctgatgagg ctttgacttc 240
 ttgtatgtca tggtcctttg atggattctc tttggaacat atatttggtg aagcactttt 300
 catattaaat ggggagcatg agatcatagt tcaactctgc agatttgatt tctcataatc 360
 ttattctccc tttatatatt tgttaca 387

<210> 9607
 <211> 221
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9607

taccctgatg aggatgtccc atatgttctt aanactggac tgattcattt gcttccaaag 60
 attcatggcc ttgcagggtga agaccgcac aaacatttga aagaatttca cattgtctgc 120

tccaccatga aacccccaga tgtccaagaa gatcacatat ttctgaacgc tttttctcat 180
tcattaaagg gagtggcata ggactggctg tattaccttg c 221

<210> 9608
<211> 393
<212> DNA
<213> Glycine max

<400> 9608

atctatgaac atcacacaat aaacccaat ttgatactct aaggatccct acacatgttc 60
attttaaccc aaattgcaat aaactcatcc cttatctcta agcgggctca cgggtgcagc 120
tggcagggat atcaacgtct ctagtgggtc cctaagattt ctgaaatttt tcctctgttt 180
gctttgttag ggtttccaag tgtagagag aaggagaaga aattggagcc tccaattcac 240
tgtatatgtt caatgagaat ttctccctcc atagacatta ctttaciaat cccaacacta 300
gacatgtgta gagattagtt ccaaagggtg tgtccaaatt tcactatgat tcaacagtta 360
acaaagcccg ggatcgtagt tttcttggga ttg 393

<210> 9609
<211> 460
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9609

agcttctagt caaatagact taccttgaat taattccttt gatagcccct ttgagcctat 60
tttccccttt ctttgttttg aagctcatta caagccttaa gtgaaaaacc atgatatcac 120
cttaccctta agaaattttg gagctttgga attgttttgg gaataagctg ggaataagtg 180
tgggggggta tgtttcattg gaagatatga tttttggcca tgcttaatgt tctatttttg 240
ccatgcttga tgtntatata tattgcctag ctctttcttt aatcttcaat tccgtactgg 300
tcaataaaaa aaatcaaaaa aaatgaaata ataaaaaaaa atcaaaacaa aattcagttg 360
ctgcaaattc tgcaatttcg tactattcaa aacaaanaag aagaatnaaa gaagtgaagt 420
tgaataaata agttctcgat atgagaactt gatttgggag 460

<210> 9610

<211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9610

tgccttggtt aacctgggta cctaactgac tatgaatcaa aaatctgcac ctgttggttag 60
 actctgtggt ttatgctcct ttgctgacca ctacacagac ctttgccctt ctgtgcagca 120
 atctgaagca attgaacaac ctgaagctta tgctgcaaac atctataata gacctctca 180
 acctcagcag caaaatcagc cacaacaaaa caattatgac ctctccagca acaggtacaa 240
 gcccaggtgg aggaatcatc ccaaccttaa tggtcgaatc cttcacaaca gcagcaacaa 300
 caacaacaac cttattttca aaatgctgct ggcccaagca gaccttacgn ttcttcacca 360
 atccagcaac aacaacaaca acaacaacaa ccctagaaac aac 403

<210> 9611
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9611

agctattggt actgttatnt gaggatgaca ttcttctttc gaagggttctt tatctcttgg 60
 gtgatcttct gttttaatgc atccatctcc ctttgcaggg caatgatcaa cacatgattg 120
 ttangcatgt gatgttgagg gtccaccatg gttgcgggtc tcccattttt tagggtcctt 180
 atggtaggca ttccaattat gatggatgcc tatcaccgag atgggtctttc tgggttggtt 240
 gtgggggtct tatcaccatt tgtggccatt gacgggtggtt gaaggagaag tnttccctca 300
 ccccatagtg ggcgccaaat gttcttacca gaattgtcag aactttctca cagtgatggt 360
 cttccatgag ctctgcaca aacaatggtg ggggtgtacat gcaataacac t 411

<210> 9612
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 9612

cgatgaggac ttcagtcaga agagaagaag agacatcatg ttgctgtggt ggagacgatg 60

tacgctcatc gggaatatga ggcgatatgt cttgattgcg caccagtgga ccgtccatgt 120
 cttttctgta accaaaagat gtaacagtac cagcaccaat agagaaagaa cgtttaactt 180
 tggcaaaagg ttcacatccc aaggggacat tgaaatgctg gagaaataac gtaacaagat 240
 atggatatgg cagaggtgca ttggcccgtg atgccttatg catttggtac tgaacaagat 300
 gagcccagtc gatctgataa cc 322

<210> 9613
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9613

agctattaat ttaaataaaa taatatgaat attttgactt aaaaaaagg aagtctaata 60
 cagtatgcaa tattagtatt tgaatgtgaa aaaatgaaat gtggagccat gcatgtttaa 120
 tggaaaattt aaaatgtact atcaaaatat atttacaact ntaattttta ttgtaattat 180
 aatgtttgaa aatataatctt gtccctatat ttacctcaa ttttggtttt agtttagact 240
 ttaaaaaact tgatttatctt ccttaatat agtgatagac gaagaaatta atcttacatt 300
 ataaatataa tactcatata cataaatttg tggagacaat atttatacta attatagatt 360
 ttnttatatt acattttaga caatgaaaac atacgtacat gcacacgaag cttgaacaaa 420
 atgagatcac ttg 433

<210> 9614
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9614

tataactacta gcaaattgtg tgaaattgga ggacagagta catttaattc ataattatctt 60
 actagaagag atgaaagtac agttccctag ggatcaaaaa atcgtagcgg attggtgttc 120
 cacatttaat tcttagtcgg ggctgttttg agactctaata atgaactatt gaacttgtat 180
 gtgcgtgtaa ttttagtcgga gcccttttta aagaaattgt agtcatggca agttttatctt 240
 gaccatttaa ttatttatta aatcattact tttactggca ttaatgatat agtggagtat 300

ctatctatatt gtttttagctt catattatag attgtaagat gtacgaaatt tcgatntcaa 360
agccacgaac cacacctgaa tatatggaat gtctactg 398

<210> 9615
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9615

agcttgtcaa ggaagttttc ttaagaaagt ntctcaagga agctacctag tctataaata 60
gaagcatgtg taacacttgt tgtaactttg atgaatgaca gtcttgtgag atatatttca 120
aaatttcact tctctacctc ttttattcct tcaatttcgt gctccccct ctctctttct 180
ctccctcttt cttttcctcc attgaagcat cctctccaaa cttcttatcc aaggctcaac 240
atgggtggtga agctccttct tccatggctt attccctagt ggatgggtgcc tcctctcacc 300
tcttctcctt tgtcttcgcg tgcactcca tgggtggaaa tcaccattaa aggacctcat 360
tgaagctcaa agatctagcc tccatagaag ccccccac 397

<210> 9616
<211> 392
<212> DNA
<213> Glycine max

<400> 9616

tttgcattgt tagagatttc tagagagaga aaggtccaag ttccagagag ttttgagagc 60
tcttgctaga cgaagattgg cagagaactg agagtgaaga ggaagccatc gtgagagcat 120
gagatgagtc tgtgagtgat tgtgaggttc tacaggtgga ggagacatcc ccactatgta 180
tgtcttcaat ccttcatttt tctcttctct ttgttgtaaa ggaagctccc acatatggag 240
agtttaatcc tctgggtggtt cttccttgta cgtacttgat gtaaatacct gcatatctat 300
ttaatgatat tttatgtatt ctatttgcta tcagtatgac atttcagtgt gctcttgctt 360
tgatcatata gatgcattgt ttgttaggat ca 392

<210> 9617
<211> 391
<212> DNA
<213> Glycine max

<400> 9617

ctcgacccgg gatccttaag cacctgcggc tgcagcttaa cattcaattt ctagcgtctc 60
tatatatattc aagactcaat cagacattcg tgtaaagagt tattgtcggt tgaagttgct 120
caaattcttca gtattcaatt tcgagcatct ggatatatta catgactcaa tccgacatcc 180
gagttaaaag ttattgtcgt ttgactttgc tcagaacttt aacattcaat ttcgagcgtc 240
tgtatatatt acgggactca atcacacatc cgagtaaaaa gttattgtcc gtttgaattt 300
gctgagagct ctaacattca attctgagcg tctcgatatg ttacatgact caatctgaca 360
tctcgagaaa aagttattgt cgttttaatt t 391

<210> 9618

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9618

ctgagcanat tcaaacgaca atancctttg actcggatgt cggattgagt cacgtaatat 60
ctcgagacac tcggaattga ataccgaagc tatgagcaaa ttcaatcgac aataaatctt 120
tactcggatg tccgattgag tcacgtaata tatcgagacg ctcgaaattg aataccgaag 180
ctctgagcaa attcaaacga caataacttt ttactcggat gtccgattga gtcccgtaat 240
atatcgagac gctcgaaatg gaataccgaa gctctgagca aattgaaacg acaataaatc 300
tttactcgga tgtcggattg agtcacgtaa tatgtcgaga cgctcgaaat tgaataccgg 360
agctctgagc aaattcacac gacaat 386

<210> 9619

<211> 221

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9619

ccttacgcat ctgtgcggta tttcacaccg catatgggtgc actctcagta caatctgctc 60
tgatgccgca tatgtaagcc agncccgaca cccgtcaaca cccgctgacg cgaacccctt 120
gcggttggtg tccttataac ttggaatcac gcctgcctac gagactttca ctctgtgcgc 180

ccggctcccc ttcggttaacc ccatgaacca aaagcccagc t 221

<210> 9620

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9620

agcttgcattg tctagtgtatt ctagagagag aaagggtccaa gttcaagaga gttttgagag 60

atnttgctgt gtgaagggtct gcagagacca tagcttgaag aggaagccgt ctgagagctt 120

gagatgagtt tgtgagtgtg tgacaaccta cccttcggcg ggagggcgac gtggggctca 180

cgggtgcatc ttccgtggga ggaaaatgcg cggagtcgcc accaacgttt attcaggaaa 240

acgtcggaaa aataggagag gtgtgatcta cgaactntaa tcgtgaaagg ttcgggagtt 300

gtttttacgc acggggaagg tattagcacc ccacgcgttc gtcaccaagg acgacaacct 360

ttaatcaaatt gtgcaaatat gac 383

<210> 9621

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9621

tcgattatga tcaacctgta atcaattaat ataaagagct ntagctatag aaactttttt 60

ctaacttttag aacttttctt ttaactcctg tatgatgatg catgatgcat atatgaaatg 120

atatagacta agatgcaaca cacaatacaa caatcaatac aaatgccact caagagagtt 180

gggcatgtaa aagaaaaaac tttttgtagc tcttcttgaa gtttcaaggc taagtcttca 240

tgctgctccc gctatctcta atagtaacct ttggaaagaa gccaacaact agaattgattg 300

ctgtcacgtt cattgttagta aagttctcat tggcctataa agccatattg gcataccatc 360

tttgaacaca tt 372

<210> 9622

<211> 475

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 9622

agctntngta aattagatgg ccatacctct tgtgccatag ccaagtttca atntctgtgg 60
tggactacat acacttctga tctaatactt gaatttcaat tctaaatggt ctgttgcccg 120
agagtggaga ttttaggaca ctcttcttgt ctttatcaaa aactttcagc atgttgcct 180
tcacttccat tgtataaccc ttttcaagca attgtccaag gctgagtaaa ttgcttttca 240
tcttgggagc atacaagaca tttgagatgc aggccttctt tccatctttt ctttgaatca 300
tcacgctccc tatcccttct gctgtaattg agctgtgac tgcaaatctt actatgcttt 360
tggaagtctc atcaagtgtt gtgaaccact ctcttctccc tgacatatgg ttngagcaac 420
cagtgtctag gtaccagaaa atagcacact gaagaatcat ttttgtggaa ccac 475

<210> 9623
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9623

ctgccgatnt agtntttccc ggcaaaagga tcgtagtggg tctgaaaaga agaaaacttg 60
attatcctgc tttaatgaat gggaagcctg nggaaaatgg agagaataag aaggaggag 120
gaacccatgt tgtgatagtc gttctcacat agccaaattt cccaccagct caacaatgtc 180
aatacttagc caatatcaac ccttctcatt atccaccatc ctatcaacca agaacaccca 240
atcatcaata aaggccaccc ctaaattagc cacagaaccc gcttgctgca catctgatac 300
tagacaccac ccttaacatg aaccaaaca ctaaccaggg aaggaagttt caacaaagaa 360
gcctgtagaa ttacccaat taggtgtcga tgctaactta ctccatttac taataatgca 420
tggttgcata at 432

<210> 9624
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9624

agctngcact gcccaaagtg gacaaccttc cagaatacgt tgaagccacc attgatgtcc 60
 cttatgatgt cgttcagtat ctcaaaaaag cctacgatga tttggaagaa cccttgacct 120
 gttttctcaa atctttccaaa gttgattggc atttctatga cccatatatg ttacagttac 180
 caaaaagggtt caaagagaaa accaaatggt gtggaatagt aagccccggt tgggcaccat 240
 agttgaagggt attgagccac aacgcagttg gtgggggtttt gactcactct ggttggacct 300
 ctgtggtgga ggttgttttat aatgaaaaac ctctagtttt gttaatgttt cttgcagacc 360
 acggattgaa ctcgaggggtg ttggaagtga agaagatggt gtattcaatt cctaaggatg 420
 aacaagatgg atcattcacg agtgatgcgg tcgctaactt aataccgttg gtatgg 476

<210> 9625
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9625

tctcgggtca tgcggngaac gcctctagtt caacacccgt gcagcctaag gcacccaccc 60
 agagggaagc tccccaaagt ccaactccga acacgactcg accggccggt aattccaaca 120
 cgacaaggaa cttccctccg aggccattgc cggaattcac cccgctccca atgacgtacg 180
 aagatcttct accatccctc atcgccaatc atttggccgt ggtaactccc ggaagggtcc 240
 tcgaaccccc tttcccgaa tggtatgacc ctaatgcaac ttgcaagtac catgggggtg 300
 tccccgggca ttccgtcgaa aaatacttgg cccttaaata caaggtccaa catttaatgg 360
 atgccggat 369

<210> 9626
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9626

agctctacaa gncacttta tatcctttat tgaaatggga aatgcgagat ttcttgagga 60
 agttgagttt gggaagggaag agaacataac acatgttgtc tttgatgaag aacctgtttt 120
 tggcactgct caagtccaaa tacctattac tgttcaagaa ataactccag ttatcgaaaa 180

tgatgttctg attattgttg atgacatddd tcaagaacaa gataacaatg aggtgctgcc 240
 ttgaatatct ataccacaca cctcgataag tgccatttag gagatctggt atagagagga 300
 gaagctcact cctagatgat tatattatct ctctccaaga acattaggat gccattgggt 360
 tatcacagga tgatgcaatc aacttctggt cagctatgca taactctaac tctcataatc 420
 gggctctatgc catgaatgat gagatgaaat tctatgttaa taatgatggt t 471

<210> 9627
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 9627

cgctttagg gcttctatgg aggctggatc tttgagcttc aatgaggtcc ttttaattgtg 60
 attttccacc atggagatgt agcggaagac aaaggagaag aggtgagagg aggcgccatc 120
 cactatggaa tatgccatgg aagaacgagc ttcaccacca atatgagcct tggataagaa 180
 gcttggagg atgcttcaat ggaggaaaag acagacggag agaaagagag atggggggagc 240
 acgaaattga tcgaataaaa caggtagaga agtggaactt tgaagtatgt ctcaacagac 300
 tctcattcat caaagttaca ataagtgtta cacatgctct tatttataga ctaagtagct 360
 tccttgagaa gctctcttg 379

<210> 9628
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9628

cagatatgaa accttgagtt cgagcctctt agaccgcga tctcatagt caactgctgc 60
 atgtcagctt caagcattna gaatgttatt cttgactcaa tattccagaa tcatgagaag 120
 acttaatcac gatattatta attctttttt caaaaccgaa tagcacatag atattatttc 180
 atacattgtg ttcacaagag tctttactct ctgggaatcg cataccaaatt tcgtgtgatc 240
 gatcaccagt agcaaatgc ttttgaaaac gtctcacctt gaattaccaa cttttaattg 300
 atttcagatc gctgtgatct attacattgt attgggaatc gataaccagt gtgcttgaac 360
 gttgaaaatg aaattcaacg tgaagagcac attcttcaca aaaaagctat gcggatcgat 420

acactgatcg gaatccttat ctataccagt gatgttctga caaataaaat atggaccctt 480
 caatgttttg atctttacat tggttacat 509

<210> 9629
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9629

gacaagacta tacgaggtat cttccttggg tatagcaata tcttcaaggg ctaccgtgtt 60
 tacaacttgc caactaagaa acttcgcacg agtcgagatg ttgaagttaa tgagtatgct 120
 tcttgggaatt gggatgaaga ataagcggag aagaatgttc ttatacctgc tcaactacct 180
 caagaagaag ctgaggaaga agaccangt gaatcacctt cacctccacc acaacaacaa 240
 gatcaagaac tatcatcacc agagtctact ccaagacgag taagatcttt ggtggacata 300
 tatgaaacct gtaacttggc catacttgaa cttggaa 337

<210> 9630
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9630

ggtaccgctc acatgtggta ctatgtggcg atcgggtgat ggtgcaaata aactctccac 60
 atccacaaat cacacatgaa cccaccatcc ctagtgtgcc accttcaact gagctcacgt 120
 actcccacgt agcccttata cttgttcttc tcagcaccgg gtcccatca atccctccaa 180
 gcttccacaa catccaagca attcaatagt caaacatcat gaactatcca aaaccaagac 240
 aacagggcag aggcagaaaa ctatgcccac aacacattcc aataccacaa ctttccttac 300
 tcanatactc caataacatt ctcttcgttc cgaatcggtc accgttggat cgactcanaa 360
 attatactgg aggtcccttg tacataagtc taca 394

<210> 9631
 <211> 266
 <212> DNA
 <213> Glycine max

<400> 9631

gtcttttttaa aagaatatta gtcacacaca actttacaaa tgctcttaca aataatatag 60
attgttttag ataaacaaaa gccacaaagg tagagcttct atacaagcca gttaggggac 120
cttatacttt taagaagaga agcccaaac atagtgaggg ctaaaccattg cctaaaagaa 180
tttatttcta gccgcattgc agcttcattg taagctgggt agtcttgaat ccaagcactc 240
tgattgaagc tatggaaatt gatctc 266

<210> 9632

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9632

agctntattc aagacanaga aattaaagat attcaagatg gatgatcaag acagtctcca 60
gagtcttagg tagggatat taaataggaa gggaatttct aattgaagta gcaaaagggt 120
tggccaagaa atttaagtta aaaagtcttt tcaagagatt tactctctgg taatcgatta 180
ccagaggatg taatcgatta ccagtggcca aaaatgattt acaacagcta ttaaaatttg 240
aattcaaaat gtgcactgtg taatcgatta cacatatatg gtaatcgatt accagcagtt 300
attgaacgtt ttatttcaaa ttntaaagct tgtaatcgat tacacacata ctgtaatcga 360
ttaccagagg agatttntag aaaatattct caacagtcac atcttttcat ttggttcttg 420
aatggccatc anacgcctat atatatgtga cttgagaca 459

<210> 9633

<211> 343

<212> DNA

<213> Glycine max

<400> 9633

gctacgtggg agtacgtgag ctacttgga ggtgggcaac acgggatggt gggttcgtac 60
gtgatttgtg gatgtggaga acttgttttg caccatcgcc cgaccgccac ctagtaccac 120
atgtgatggg taccataa tctacaagc ttgaaatgag gaagtgtaca acggtgaaac 180
ttctgcttt tattcgctga ccacagagtg gtacctggag atatgtcgcg ggggtcagga 240

gaccctcggg acgtcacgtg gcgtgctatc gccacacaacc aaacttgacc aatcccgacc 300
 caacccgggc atagtcagtc agtgagaacc tgtgatgtac cta 343

<210> 9634
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 9634

agcttcacgc ttccaccta tatggatggt ctgagcgtga atacactttg tacgcgtcca 60
 gtctagtctc tctaagccct gaaaccgtaa ctatagctat gttctgagat tcgccttttc 120
 tgctgatcag agagctctcc gaatcctttt ctttcgaagc ggcatgtccc aaagtctaata 180
 cacaggcttg acagggtctt cttagcccat gctaactaga atacttagta gcttatatga 240
 tcccacagcg ataaccactg attgaggagc attcttcggt ttaaccagtt ttcataaacc 300
 aagatatact gcctatcccg aaaaacggac tccctcatat aaaacagtag cttcatatca 360
 agagtgggtt tgactaatca tatgacaaat gtcggccga agctagagct aagtggctgt 420
 tcacggtgaa tatggaaagc atatg 445

<210> 9635
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9635

gcttctacaa taagagatgg tcaagagaat caaggatgga ctactcatca aaggcaagaa 60
 aggaggaagc cacaaagagc tgaattgaca cacctaggat attttcttaa tagctcaatt 120
 agcgacacca gtcgctaag tgcaattccg tctagaggaa ataattcgct tagcgactct 180
 agctcactaa gcgcaattcc aaccagagga taaattgctc ttagcgcgaa tgtctcgctt 240
 agcggttaacc ttctgtgagt ttaagctgtg tcagctcacc caggcgagaa aattttctct 300
 gtgcgagtct tgctgattac aaatacgccc aacagcgaga aaaacatcaa tttctacgag 360
 gtaatcgtga attctatgtc ttctcccagt tagaatgagc ctatcatngt atctctt 417

<210> 9636
 <211> 436

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9636

tttctntgag caaagcanag gcttgctctt atttttcatc ccaggtaa at gccacattct 60
tcttcaccat ctcatgaga ggtgatgcaa ttgtagagaa attaagaatg aaccttctat 120
agaagcttgc taacccatgg aagctcctaa tatctccac actttttggg gtgggccatt 180
cttgatggc cttgattttc tcaaggcca cttggacccc atttctacca actacaaaac 240
ctaagaagac tatattatct actcaaaagg tacacttctc tatatttgca tagagtgtgt 300
ttttcctaag gactgaaaga acttgccctga gatgtgctaa gtgatcatct aggtccctac 360
tgtacactaa aatatcatca aaataaacia ctacaaatct acctatgaaa ctcttagac 420
atgatgcata acctat 436

<210> 9637
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9637

agctcgacac atattaacca tattcaaggt ctgtcta atg agtttgtcca aatgtctcca 60
tactagtcac tggagttaac aaacttaaca ctaatttctt taaacaacia attntctcga 120
acaaaatggc actcaatctc tacatgtttg gttcttttat gaaatactgg attaaaggca 180
atgtgaatgg ctacctgatt atcacaatac aacttcattt gtcgatcaca ntaatttaag 240
tcttgaagaa agttgtta at ccatgttggc cagatcacia gtaattagag ccacagctct 300
atattttact tcttcacttg actggacaac aatattatgt ttcttgatct tccaagagat 360
aatatnttct ccaatggata cacaatatac agtgggtggat cgtctgtttt agggcaacct 420
gccta atcgc attacaatac ctacatatt 449

<210> 9638
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 9638

tacgctaaat tagtctaaaa tctcataagc tatntaagct aagtctagtc caacaaatgg 60
gatctgagga tgaagcttag tntaagttaa tctaaacata agagggtgt ctaaattgag 120
cctagtccaa caattgggat ctgacgacaa agcttggatt gattcagtct aactggagat 180
cgaggtttan taatttaggc tacaacatat aacacaaaag tatgattaat tacagaaata 240
tgtttatata catcacctgg ttggtttgaa agaaccaaca cttctaccta ctgctgcagt 300
gttacttcat gcatttttac agtcttagac tagacttatt taactctatt caaatc 356

<210> 9639

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9639

agcttgtag attatggngt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
gcacaacaca gttttcacat ccacaaagcg cgcataaacc caccatcccc tgttgccac 120
cttcaactga gctcacgtac tcccacgtag cccatatect cgtttctctc aacaccgggt 180
ccccatcaat cctcccaagc ttccacaaca tccaagcaaa acaacattca aacagcacia 240
gctatcacag tcaagcaaaa cagagcaaag gcagataact ctgctcaaca catcaaccaa 300
aatcacagct nttctcactt aaagaccaca gtaacaattc cttcgttcca attcgtaac 360
cgttggatcg actcaciaat ttactggaa gtctctagta cataagccta cattttgacc 420
gttgggatct actagc 436

<210> 9640

<211> 310

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9640

ntcgagaaat tcanatgggtc ataactnttc actcggaggt cctattcatg cgtataatat 60
attgagacgc tcgaaattga acaacggaag ctctcgagaa attaaaatgg tcataacttt 120
tcactcatag atccgattaa cgcgtataat atatcgagac actcgaagtt gaataatcga 180

agctactgag caattcaaac ggtcataact gttcactcgg aggtccgatt caggcacata 240
 atatatcaag acgccccgaaa ttgaacaacg gaagctcttg agaaattcat atggtcattt 300
 ctttttcactc 310

<210> 9641
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9641

tacacccaca tgaacttcaa tttttccttc tgagccgaga ataattcaaa attcgcttaa 60
 attacatttc atattggttag gaacccaaag tggaaattgt agaattacca gtgggagggg 120
 aaatcccaca ttcagtaaaa atgaaaaaag tgagccttat ataagtgagg agaaaaccca 180
 ataacctaag ccttaaagtt tgggttaaag tgtgggtgtca gttcccttat gtgggtggctc 240
 gtgggttcatt ggtgtaaatc ttctgatgt agatgataat gacttncgct cgaggggaga 300
 ctatcatgtg aaagagactt atacttgang gagagattgt gggttacang tatgaggtga 360
 agtctacatc agactaaccg tgaaaagtgt accacatata agtgagaaga ccacaaaccc 420
 tgaccctatg tgggtgggtca tgggtcatg 448

<210> 9642
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9642

actctaagta tgattagtaa cttcttttaa gattaaatcg gggatatttg aagaatttca 60
 aagggacttg actaagagtg gtctaaatta cttcgagtaa aagtattcct taaaagataa 120
 ttgggtgtaat atatcaaccg tcctaaaata cataattaat tgcattaact atctatgtca 180
 ctgtgtaatt ccatttttgt tcgaagtaag ttagacaacn ctaaacaatga caaactcatt 240
 tgnntagtta gcacttacia tgcgagtttt atatccgttg catgggtcaa taattataat 300
 ataaaagtat agagtgatat gattcttttt tatttgcaaa tattgaaaat gaatagccga 360
 gaatgcttaa ttactacggg tcaca 385

<210> 9643
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9643

acaagtggcc taatgcaatc ctaccccgca agggcattgg atagaagact ccaagtagat 60
 tgggccaaag atgcaagaaa aggccctatg gttctcatga gccttgaggt agatntcacg 120
 cccatgggct aagtatgagc ccacttatct ttgtacatat tagattaagg tttcattatt 180
 tttgggcctt gtatttacgg ctccataatg tacgtaagg accctaaaca tgtatgattt 240
 ttcacccttc tattttcggc acctacacta atttttgatt acgggtagtt ttgaatttac 300
 atgcattgtg gaatattcat gtgcgtgttg ggaaaaaact aattgaatgc gagaagccta 360
 tccagttaaa tatagagggc gggagcattt gttgctacac cctaatgcac atcataagta 420
 cactttgtga tgcttac 437

<210> 9644
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9644

attcgatttc atttatcatg aaactaccct ataccaagaa aacagagtag aggcagaaaa 60
 ctctgcccac aactcattca aattccacag ttttccctac tcacctacc cagtaacatt 120
 ctctttgttc cgattcggtt accattggat cgtcttgaaa attttactgg aggttcctag 180
 tacataaatc tatattttga ccattgggat ctgctagaaa attcctggaa cacgagatgt 240
 actaccattc cgtgacttag caatgcacaa ccatttttct gcactatggt aaaaatctgc 300
 tgcacaattt aacagcattt ttctgcataa tatggcngan ctcaaaatac aacttgccca 360
 catccaactt tactcatatt ggatcgtanc agtcctanat catgtataaa tcatgattac 420
 aacagaaaca aacttc 436

<210> 9645
 <211> 473
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9645

ttaagtccac ctgccgcatg caagcttcta agaagcagtg gatgaaaaat agtttagaaa 60
antttttgtg gtccacacgc taagcgcatc ctttgtgcta aacgccattt cttcacacg 120
ctaagcaagc tgttggttcgc gctaagttcc ttgacctctg ctcatgtggt ggatgggtccc 180
actaatcgag tgcttagcgc taagcccaaa aacctctctg gagtttaatt ctttcgaatt 240
gggcttagtg caaatgctcg ctaagcgcaa ttcttctctt ggaattgcaa ttattagaat 300
tgcactaagc acgaatgaca cgctaagtgt gggccactac tgcatttaat gagcattaat 360
tcgctaagcg taagccttgg tggctaagcg catgttgcat gaccaattaa agctacagta 420
cccgctaagc gcaaccttgc gtactaagcc caaaagcttc tctggaattt aac 473

<210> 9646

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9646

taagctcgct gttgctgccc cacagagccn ctcggaactt gttccggcca tgctcttccc 60
tacgagccct cttggtctct tgttccaagg ccttggtggt agctatattt atatctctta 120
gtttggcatt ctcttttcgg attttaagag ctgttgattt gaacctttct ttgactattt 180
gggcttgctc gagttctgcc ctaagggcct gcacctcttc gtcttcttcc ggtgcctcaa 240
cttctctcct ttttagcggt ctccaactcg ggagccaatc caaaccttgc acgtgggctt 300
tcaacgacct tcggtagcca ctgatgggcc cattgttact gcccctgagt tctttgtcct 360
ctttttgcac cacctcgcat gccttgcgga ccttttgaag tgtctccatg ttggtcttac 420
tgaaacctcg tgaaatga 438

<210> 9647

<211> 150

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9647

ctgcagctta cgggaacctt gtgccgcttc aattcatcaa aaaatgctcg aaaacattga 60
 gcagtagggc atcttaccat ctgcttccat ggtcagtcca tcattagagc ctgtccccnc 120
 agctccaatg gctggactgc aacctgaatg 150

<210> 9648
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9648

cgacttggtg atgttcaaca acctcacctc attgctccat nttcatcttg tgaactctac 60
 ttgtcctcta ggaaatcata gacgcgcatg ttcagcaagc tcatcgtcag acattgtgtc 120
 ttattcttct tctctagcag atcatccgag agatttgtgt gggtagtag tcgtcgcca 180
 ccattagctt gaaagatggg ctttggtgta tcattgcatg catcactctc tagtacatca 240
 tgtattattt gaaaaacata tatttgtcta tcgtctcatg gtctatttta aagttaga 298

<210> 9649
 <211> 614
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9649

actctcacta cgatcanagt ctatatctgg cttatnttgt gtatcgttcc tactatataa 60
 tctatnacac acacacacag acatttgagt cattgagatg cgcgctctct tgnaccanc 120
 gatccgtata tcgacctgca cgcagtctaa catatgtgca gatcacgctt gtatacatgc 180
 accattgttc atccaacact gagacactat tgtgctgcta ataacacaac accacaaata 240
 tggtagagaca ctgaagcctg agacagccag attgcagtct gatgcgcaa tatacatgac 300
 ttacttcaag aaaagtcgca tatacattga ccgcgagaat taaacatcga cttttaccgt 360
 aaaactaatg acataaactc gttcgatcaa taatcaattt ggccgtttga acagtcgctt 420
 gactataatt cacgctgctt atcataatca acaataata tacgggacat aaaaacgtta 480
 tcttacagt cactgggtata tagaactttc gtactattga agagcggatt cctctctatt 540
 atatggacct gaaatgaaga atacattcac gtgatgggtcc taataactta ctccgcggtta 600

gtgcactcgc aacg

614

<210> 9650
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9650

attcgctgt tttaaagctc ttataattta ctaaacctat gcttttaaac acatatatct 60
tgtagcagc ggttggtatg catcttatgc cttgtaactt gtttntact ttaaattgca 120
cgtctttgtg gaactgtcta tcatgctctg tggatggat cagaacgtcc tttctctct 180
ccggaattac tcggtttacg ctcatgcatt atgaaggata ttttctaacc aatttatcat 240
aacttaagat tattttgata tgcgctcttt tcctt 275

<210> 9651
<211> 455
<212> DNA
<213> Glycine max

<400> 9651

agcttcttat ccaaggcacg ttcttggtgg tgaagcttct tcttccatgg cttattccct 60
agtggatggt gcctcccctc tcctcttctc ctttgccttc cgctgcatct ccatggtgga 120
aatcatcat tgaagctcaa agatctagcc tccatagaag ctccacaagc aagcttccat 180
caacatgact tgaaaattgt gtattttcct attttatatt ttttatattt ttttaaggctc 240
gacaagcaag ctccacaagc aagtttccat cacatgtaga tgaggttcaa caatatattg 300
atgcaagatg gatttttgct ctacaagttt tgtggaagat atttagattt accctttaca 360
gaatatatat gtgtgttgag agatacaaat tcattactgc atcgatcatca agtgcaatct 420
atagacatta aagaatacta atgtatgaac gatga 455

<210> 9652
<211> 269
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9652

gatctctcaa atttgggccca tttcttttttg gttatgccaa ttgaaaatat atggtctttc 60
ccaccattct ggggttcagt tcatgacttt ttcggccact gaagccaacc aatttctttt 120
tactaactac cctaataaat gacaggcgag aaaaggcaaa aggaggggat ggtggtgaaa 180
gccttaacat gttcaagcaa ctttgtgctt gcagcttcac ctaagattta gtctcttttg 240
tagtatacaa tggctttgct tgatccatg 269

<210> 9653
<211> 101
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9653

agcttatggg atntgttaat gttatcttac caattatggg tatttaattt atgtattaat 60
ctctattata ataaactcat ccttgggaagt tttgttccgt g 101

<210> 9654
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9654

caagccaaag ccacactctc gtgcatgcat atagcttctc aagacataat gccaaactcc 60
cgccaaaaat ctgatttcaa gcttaaataa gtgggttggg ttgttcacct acgccaatca 120
ccacactctc atttttctaa ctctttatac ctgactcatg tetgactact ctgcgtctcg 180
ctccacctct tccccccacg ctacgtccct tactcacccc tccctgcgac atctcctccc 240
tccactcttc cttcatccn nntcctcccc ctcccccccc ccttgcgct ctcccacact 300
acgtttcccc cttcacttaa ctccnctctc attcccatct ctctttctc cctccctacc 360
cactttccca cttctgtaca ctccactctg tatactatat tcttcaccc caccacctta 420
ctctctcgct ctctccagcc atctctcact cttcatc 457

<210> 9655
<211> 452
<212> DNA
<213> Glycine max

<400> 9655

agcttgaaaa atctcagggg atcgctagag atgccgttat caccgccaga ctacacacgt 60
gagcccactt ataggttaagg ggtgagttta ttgtaattgg ggtagaatg aacatgtgca 120
tgaattctta aaggattaaa tggggaattt attttgggtt gtttattcaa ttataattct 180
tcctttgatt cttatgtgat tatttgaaat tgtttgaggg gttttactcc ccatgttggtg 240
ggaaacatat ttgtataatt tgtttgtatt ttggacaata ttactatac tagcgtgata 300
cattattata ttggtatcaa gaaattgtca ttgaaattgt gtgtaatgta taaattgaat 360
atgtgttgat tagtgagaga cacataaaca tgtgatgggtg gattgtaaca ttgtgatatg 420
ttaaaatagt ggacatggga tatggttgta aa 452

<210> 9656

<211> 165

<212> DNA

<213> Glycine max

<400> 9656

aattttggct catagagaag atgaaagatg acaactgaaa tacctgaata tgctcctata 60
tcaaatactt ctgagaagca gggacttgct tccaagtctc gcatgtcatg ttgacctatc 120
accagcgata atgccacaat atgtactcga tttcttcttg tgggg 165

<210> 9657

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9657

agctataggc tgttcaattg cttcagattg ctgcacaaaa gggcaaagggt ctgtgtgggtg 60
gtcggtagag gagcataaac cacagaattt ggtgacaggt gcaaattttt gattcatggc 120
cagttgggtt accgggttaa ctaaggcatc tagtttacct tcaagcttct tagtctcagc 180
tgatgaagat gaattcatgg ctacttcatg cattcctcta atgacaatag catcatttct 240
agcactaaat ngctaggagt ttgaagccat cttctaaatt aaatttcagg cttcagtagg 300
gttcatgtct ccaagggtc caccactgga aacatctatc atacttctgt ccatgttact 360

gagtccttca taaaaatatt ggagaagaag ctgctcataa atctggtggt gagggcaact 420
ggcacatagt ttcttaaate tc 442

<210> 9658
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9658

tctccttcca tggcttattc tctagtggat ggcgccctct ctctcatctt ctncctttatc 60
ttccgctgca acttcatggg tgaaaatcac cattaaagga cctcattgaa gctcaaagac 120
ccagccttca taaaagggtc tcaagcaagc ttccataaaa aaaaaataaa gaagaaatca 180
tgagcaagta taataacaaa aaatgcaatg ttgacaatgc atttataagg aaattataca 240
ttatgttata cttgggtttat aaggagttga ggcaactcgaa aactaatang attacatcgt 300
ttttctttag atttgcaaga gccacaacct gtataggcaa ggaacatggt aaaatagtag 360
ttttctctac atcatmntat atatgtccgc atctatatat acatcttttt gtttaaacac 420
tatata 426

<210> 9659
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9659

agcttctntg agaanaacttt cttgagaagc tagagtctag ctacacacac ccctctcata 60
actaagctca cctccttgag aagcttcctt aagaagattc ctaaagaagc tagagcttag 120
ctacacacac atctctaata gctaagctca cctccttgag atgagaagct agagcttagc 180
tacacacccc ctataatagc taagctcacc cccatgacaa anaaagatga aaatacaaaa 240
aaaaaagtcc ttactacaaa gactactcag aatgctccga aatacaaggc taaaacccta 300
tactactaga atggccaaaa tacaaggccc aaacgaagga gaaacctatt ctaatatnta 360
caaagataag tgggctcata cttagcccat gggctcaaaa tatactctaa ggctcatgag 420
aacactaggg cttcccttg gatctct 447

<210> 9660
 <211> 538
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9660

cgccgcgcna ttgacgcant ccctgccga ccttcgattt agccacctgt cnttacgcgc 60
 accatagaat actcaagctt cagactatag caactcaciaa tcttagtggt ctaaaccctt 120
 caatttaatg gattttcaac gtctgagaag tggaactgat aatgacggat acttggaggc 180
 aactcttacc ttacacaagt ctatgacatg aatttaaacc tgggtcaaact ggatttacct 240
 cggaaattcc actgaatcat aatttgactc ctcaacaccc aattttacct tanaaatggc 300
 tctttgggtca ctttgatcat ttgtttttct ctcttgacac gcccaaactt tctcattaag 360
 tctgaatgac aatttcatgc taggattaac tcaactttaac cgtcccatac cacataaatc 420
 agatttgggc cttccactct taaaatctca attttgggtc actcctaaac catacgttta 480
 ctgtctagcc ttagttanct ctaccctcat tcttaaaaca tttccacatc ctcttctt 538

<210> 9661
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 9661

agcttctata gcatataaca tagcggtagc ttctgtgtc ctcatgcatg ttttagtact 60
 taagaaattt agtgggtctt gactttactt ctatgttggt tttctccatg gtttgagtgc 120
 ttcaccagaa aaaaaatggt aatgttatga tacaagaggt aactttgtga aattagctgt 180
 tggaaaacca ccttatttgt ggtcacccca aggttaaagg gtgtgctaaa gctccacatt 240
 gtggtgggta gccgtgggca caagaggaac atgttgaagc cttacattga ctaaagatag 300
 tactgagata gagtatataa gtagagaaca atcctcacct tacaagttag tgttgatga 360
 ttgagatatg ccaaaatcac tttctaaccg ggtatcagag cctatcctag accaattgat 420
 tgcgccttat gt 432

<210> 9662
 <211> 352

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9662

gaactactaa ctgcagtaac agttgcagcc caactatccg gtagtgatga caatagaatc 60
aatgccttca cctcatcctc aaatntaate tgcacagatt tcaattgggc aagaatagta 120
ttaaactcat taatatgatc agctacagag ataccttctc tcattcttgag gttgaacaac 180
cggcgcataca agtatacttt gttggctgct gacggcttct cgtacatatc tgataatgcc 240
ttcattaagc ctgcagtagt catctcgttc acgatgggtga acgcgacgtt cttggctaata 300
gtcgatctga tcacgccag agcctatoga tctagcaagt tccattcttc tt 352

<210> 9663
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9663

tgcgtgctaa gcctcatatc tcaggctaag cgcattttgc agaantattt gtgttgacaga 60
aagcgctaag cgccacctgc tgcactaagc cccagatgct cactggaatt tgaaacctca 120
agttgggctt agcgctaggt taagctaagc acagggttac tcaaaccta aacatttcat 180
tgacgtgcta agcgcgccat acaatttca gtttttaaaa ccaaaggctg aggcgctngt 240
gtgttaccga caaatcattn gcctttaccc ttttctaacc ctgatctttt gtgctttcta 300
ctatgcgctg aaacttaact gtctgcatng gtcttgcttc atctacattg caatcataat 360
cgaagtaagt gactacattc tcaatttcat tttcatcttt cacaccacag gatacatgaa 420
tttgtgcttt cttagatagt agc 443

<210> 9664
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9664

cttttctgat gatgaccgan gaacaattat ggatcaactt gaaacttatg tgcttcaagt 60

gagaagaaat gcttcttttt ccacttgtga agatgttcaa agtttggcta tgaagatggt 120
tcaaactgag aaacatctgg tatttccatt gggtttataaa cttattgagc tagctttgat 180
attgccggtg tcgacagcat ccgttgaaag agcttttcag caatgaagat tatcaagtct 240
aaattgcgca ataagatcaa cgatgtgtgg ttcaatgact tgatggatatg ctacaccgag 300
cgggagatat tcacgtcgct tgatgatatt gatattattc 340

<210> 9665
<211> 61
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9665

agcttctagc aaggaagaat gaaagaggcg tctgattctc gcaacaagaa nttttcaagg 60
a 61

<210> 9666
<211> 413
<212> DNA
<213> Glycine max
<400> 9666

tcttagtctc aactgatgaa aatgaattcg tggctacttc atgcactcct ctaatgacaa 60
tagcatcatt tctggcacta aattgctggg agtttgaagc catcttctca attaaatttc 120
tggcttcagc aggggtcatg tctccaaggg ctccaccact ggtagcatct atcatacttc 180
tctccatggt actgagtcct tcataaaaaat attggagaag aagctgctca gaaatctggt 240
ggtgagggca actggcacat agtttcttaa atctctccca gtattcatat aagctctctc 300
cactgagttg tctaatacct gagatattct ttctgatggg cgtggctctg gaagcagggg 360
aaaaattttc taagaatact ctctcgacgt cagcccagct cgtgatggac cat 413

<210> 9667
<211> 385
<212> DNA
<213> Glycine max
<400> 9667

agatgctgct ctatgctaaa tttctgaaag atatgctaac ttggaagaac aagtacatcc 60

atagtgcac catagttgtg gagggaagct gcagtgccgt aattcaacgc atcctttcgc 120
 caaacataa ggaccaggc agcgtcacta taccttggtc tataagtga gtatttggtg 180
 gcaaggctct tattgatttg ggagccaata ttaatttgat gccacttttc atgtgccaaa 240
 ggcttgagaga gttggagata atgtctacta cgatgacttt acagttagca gatcgctcca 300
 ttaccagacc ctatggagta atagaggatg ttttggctcg ggtcaaacac cttatctttc 360
 ctgctgactt ggtggtaatg gacat 385

<210> 9668
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9668

ngccgctgga gctgacccat taacagccct aactccttta gactgggtgat ccctangctc 60
 ttgaccttga cttggtaaaa cctcttttta agcgaaggcg tttgacttga tcccatgttt 120
 tactaaagtg aaacaaaaat cgggtgcgaat caaaactcta acatctatca tgggtggaat 180
 ggatgaatgc atgaagaaag gcatatgaca cagatgcaat ttatgaatac gatagcccgga 240
 gaaattgtct tcttcttaga tacaacgtct tngggtagca cagtgtccga cgtatgtatt 300
 ntaagatagt gacacgaacc ctccgttgat ttgctaaaga gaggggatca agacagaacc 360
 catgcatgat gcatatgcga aaggcataac atgggtgacgt acataatatt cacaacaaaa 420
 taagcanaag ggtacatgac acttatgcat g 451

<210> 9669
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9669

agctttaga aatngattac ttatcgtttt ctttgagaca atgattgaat tattcatgaa 60
 tctctgcttt aatcgagtac catgtgatat aattgattac ttcttcttta aaaagtgttt 120
 gcaaagttat caagaacaca ttaatcaatt acattgagga tctagtcgat tacattgttc 180
 ttaaaagtat tctagatatt cggaagaaca ctttaattga ttgaaatgat aatataatcg 240

attaactgat ggaagcttgc atgtggggct tttatggagg ctggatcttt gagcttcaat 300
 gatgtccttt aatggtgatt tctacaccat ggagatgtag cggaagacaa aggagacgag 360
 gtgagaggag ggcgccatcca ctatggaata agccatg 397

<210> 9670
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9670

tcatgatgat gaatcatagt gattgaagca gttacgacaa tgactaagat gatgacacaa 60
 attccaaaga atgatttcaa gaatgagtca aaagttcaag atcaagttaa atttcaagtt 120
 tcataacaag aagattcatg aatcccgaga agattgattt caagattcca gagaagattc 180
 attcaagatt caagagaaga aatcaagaag acttcaccac ggacgtattg aaaagattct 240
 tctaaacaac atagcacagt tttgtttttc aaaagagttt ttctcangaa tttctaagtt 300
 accagagttt cttactctct ggtaatcgat taccaattcc ctgtaatcga ttacccat 358

<210> 9671
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9671

gtcacctgcg gcatgccagc ttgcacagct gggtaatact ccacaccttt gatgttgaaa 60
 cttttgttat tttaagtact taatttcta tgcctgattt catggaaaac cctatatttg 120
 gtctagaatc tacaattatg ctaggctaata tgtgactnta gtgttacatt gattagttta 180
 tttaatgctt tttggggaaa attactatgt gttatttttt tttgactgga tatatacgtg 240
 ttaataaata ttaatatgac ttcacacgct aaaccaatac taagcaaacg ggagatacaa 300
 aatttggtag atccaatgct tggaggggct tatgacgtga caccagttaa tagagtagcc 360
 tttgctgcct ccctttgcat tagggcatct gcaacttgca gacctatcat gagtgaggta 420
 gctcaattat atatgttgca caactttggg gttactttcc ta 462

<210> 9672
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9672

ngagtcttag tataatcggt gtataatgct tgctaattgt ttattatgaa attgatgagt 60
 gttattatgt cttgacttga gtgtgtgatt cgtgtgtaat gtgattgata attgaaaaat 120
 gaatttttaa tgataaaatg gtgaagtggc gtggattgta ttaagttgag ctatgttata 180
 atacttccat aattttattt gattatatct ttgtttattt aaattttttt agaaatgtga 240
 taactctctc cctgtgtgtt atttgtgttt ggatcttgtg atgatcccaa accttgtgtt 300
 cataggagca gatgaccagg tagatgattt taaagaatnt cgtactagag gaccctgtga 360
 cacaatgctc tga 373

<210> 9673
 <211> 548
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9673

agctcggaac attggcgaca tnttatttga aaccattgag taccgcgat cctctagagt 60
 cacctgcggc atgcaagctn ggaatagtca tacctcacac acacacacac acacacacac 120
 acacacacac acacacacac acacacacac atatatatat atatatatat atgttttaggt 180
 agaaagatac cttggatatg catgtatgta gcaaaaaata cttcacaaaa tatatatatg 240
 tatgttttagg tagaaagata ctttgaatat gcatgtatgt agcaaaaaata cttcacaaaa 300
 tatatatatg tatgttttagg tagcaagata ctttggatat gcatgtatat agcaaaaaata 360
 tctcacaaaa catatatatg tatgttttagg tagcaagata ctttggacat gcatgtatat 420
 agcanaatac ctcacaaaat atacgtatgt ttaggttagca aaatacctca tggaaaaaaa 480
 gagagcaaan agagagcgag catgcataga ataagaacga agaaaaaaaaa ttgactataa 540
 acaataat 548

<210> 9674
 <211> 337

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9674

tccatgacat aatcctatac ctgtntatatt tataggtact atctatgaga aatgcccaatt 60
acaggcattg aatagtttca ctgaattaag atgactccaa aatatatcat gtacaatatc 120
ttcatccttc aatttatgcc catgaatata ctaatgccat tcaagaagct ctattagttg 180
ttgcatttta gtattgccat accctaattc gtccgaggac tatcattcac tgatgttttg 240
attctcgcta gctgaattgt ggtgttcgac accagttacc gcatgaagta gaggatcact 300
cagtgttttg atcaagaata caaaatgata ccaatga 337

<210> 9675
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9675

agcttaggtg tattacttat ataatgcac taatgctcta caattatctg tcacctttag 60
cctcttttat cgatgcctac attttcctta tgctcaagtt aattaaaaca agattatgta 120
taatataaaa atttgtaaatt gaaaggcatg aattaaagaa acaccttcat tggcttgcca 180
tgaatatagc atttatagta aatatgtgaa agatcttaga tgatgggttg taccttcagg 240
tatcattgct tctaaaggag aacttcattg actngtttcc atatcatgat catcctttta 300
tgaagggttt tttcttcttg agcttgcac ataccttgta ctaattatac atgacaagtt 360
tagtcaaatt ttctagtaaa acttcaaaat gattagaatt gaattgcaaa ttatctctta 420
tttctggtaa ttca 434

<210> 9676
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9676

ctactagtcg acttacggtt ntgaacacca gttacagtgc gaaatatatg tccattcgat 60

gttntgatca aatatacgaa aggtaccgca agggaggggc aaaaggggtg ttttagggag 120
 ttntctggac cctagctcgc ctgtgcccc aaattgctta tgggtgaagg aaccagctcg 180
 cctgggcaag ccattcttact tcaagatgaa gcatcagctc gcctggctga gctaccatag 240
 tcccaaattgc cctcatttcc tataaatang cgtgagggag gctgacgaag tggtcggacc 300
 ttcaatgtta agagaaattg gagagaaatc agagagaaga acgagaaaga agagataaac 360
 a 361

<210> 9677
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9677

agcttatata gcttcatatt attgatagag acaaaataaa tcatataatt ctatgaaata 60
 tataaattta cgtgatgtta tataagtttt ttttaataat ggattgttct gtttttagttt 120
 ttaaaattga aataaattaa tatgtgttga tttcatttgt attattttta attaaaatgt 180
 gttcttagtc tactttttta gcacgttgat tttaatgtgc tgcatacgaa ttgataatat 240
 ttagccatt tgtgtgtttt gtcactgttc gcaggaatct tactggaatc ctcaaagtgg 300
 gagcctcctg ttccctactt cattaaacac ttctcattat ttattttatt attttcgtga 360
 acaataagaa ttaaataatt aataaaaaaa atgatcgata caattagttt attactntga 420
 gtctatatat taacaatatg gagtcat 447

<210> 9678
 <211> 263
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9678

tcacaactct ctatctagac attggtctnt atagatgttt gagacacctt cttgagacta 60
 gttaaagtgt gttctctcat atttagaaaa aaggagcata aaacgcagct tttattgaca 120
 acataaagga ctttggtgta atatggtgcc atccccattc ttcccttgat atattcttgc 180
 cttcattata tcatatcggt atacagcttg cggatctgtg tgttgtgctc caccaattaa 240

ccgcctgata atgacactta aca

263

<210> 9679

<211> 303

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9679

agctttgagc caatttatac gacattaact ttntactcgg atgtctcgat tagtcccata 60

atatattgag acgctcacia ttgaatgttg aagctctgag ccaattcaaa cgacattaac 120

tctttactcg gatgattgac tgagtaccgt aatataacga gactcttgaa attgaatggt 180

gaagctctca gccaatcaaa acgacaataa ctttttactc ggatgtctga ttgagggttcg 240

tcatatatcg agacgctcta aatgaatggt gacctctgat caattaaacg acataacttt 300

tta 303

<210> 9680

<211> 347

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9680

cctttctttt ctcatgtgca ctcaaaccga atctccgggt tcgaagacaa ccttctttct 60

ccctttgatg gcttggttag catagctcat acttttcttc tcaatttgat ctttgactct 120

ataatgaagc ttcttcacat agtccgcctt tgcttgacct tctttatgct taaaaacaga 180

aacattagga ataggcaaaa gatcaagagg agttagtga ttaaaacat aaacaacttc 240

aaggcttaag aaagaagaat catcgatga cgccgatga acatttccta atatacatca 300

tncaaatatt attcatggat tgaatagaac atacaatagc cgacatc 347

<210> 9681

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9681

agcttgcagc tgaaccaatg acaatatggc aagtgatact gagcaagagg ctccatacca 60

agataatgag cttgtagggc ttcaacaagt gttagaagtt gaccttgctg tcattaatga 120
atctcttgta gatattgatg gaggtggaga agagatagat gtagatttac ttaaacaact 180
agacttggtt gaaccagacg aggatgaatg catattatgt aagaatgaga ctgagagtcg 240
acttgatgat acaaatactt attaggtaat tcatacatta aacgttgcac atcttatgtt 300
tattgcgtgt gtgtgtgtat atatatatat atacatctgt atgattgtgg ttgaaatat 360
ttattacttc tacgctcgta gtgaatatga cagagaatat acgtgaccta tnttggtgta 420
caaaacatgt ttatgt 436

<210> 9682
<211> 253
<212> DNA
<213> Glycine max

<400> 9682
acaaaagtag tacaaatttg ctggacattc tattgcaatc gatctcttta ttatgttaaa 60
ataagagcgc acgcttattt taatgtaata acgagatggt cggtttagga aaattttgga 120
agttacatgg aagttactaa aacttccatc aacggttgga agttacatgg aagttactaa 180
aactttgatg aacgacacgc tttaaaaaga tataacttcc atctatcgcc cagaaccatc 240
tattctttga tca 253

<210> 9683
<211> 407
<212> DNA
<213> Glycine max

<400> 9683
ggaatccaga aatgatgtga aatctaaagc ttgtgtatta tgcaagaaat ggaatccata 60
tatgaagcga tatcataagc tactcacaat attgcacaat gtttcatagc ctccctctgc 120
cacaatatct caacgatgtg aaccaatcat attagactat ataattggca tagcctgcaa 180
cctaaccgaa ccctagtctg cgtctttgaa tttgaatatc gaaatcttct gacatttggc 240
aaatggaaaa ggggtggaacg acaaactacc gggaaccttg tgcgtgagct gatggaagag 300
tgacgatact atcacgtgtc cggacaaaat aaaaaatgaa agaacggata cgctgacagg 360
tggacagtcg gtcgttgttt ataactaaca tagattatat tggatct 407

<210> 9684
 <211> 580
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9684

cgcccgcgnc ntttgatang caatgcattt ttngtgagcc ctctgtanat tgccaccct 60
 atctacatac ggcacactat ataatacata atttgactag tgactcactt tattgtatcg 120
 ctgttctatc acatacctct atcatctaga cgcacattca gtgacacatt tcaatatctt 180
 cgtatgaaat tcctaactca atgtgtcacc taactgcata tgtatgtgtc tactacgaca 240
 cgacaaactt cgcaatacta ttgtgggcac caccttcgtt cgttacaaca ccaatacttt 300
 catggtccac aaggtcgtca cctttacacc attgcttgaa cttcttctcc acaaattgat 360
 cattgacca gaacatcata tccaccatct ccattgtcgg cgccctatca ttgagtcacg 420
 acaacgttat atgtacacat ctttgattct gccagatgaa gctgatgctc gatacatgcc 480
 caacatctct tgacacacca acctctacca tatagcgagc tatctgtcct actctgcctc 540
 actactaact cacctactat ccgcattgat caccctttcc 580

<210> 9685
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9685

ctacacatgc cgacaagaga aaggtcacct tataaaggaa agaaagaagc ctagccatt 60
 tacaagggtta gggatcatag atgaaaagg accctatctg ccacatttgc aaaagctttg 120
 tcagcgtggg atggatgcac gagaatcagg ttgttgtgct agacgaagaa accaaccaag 180
 agtagccaag tttggtgcag ctgtgctccc cggttttcga attgaagcat tgggtggatcg 240
 tggagtgacc cgagatngcg gtgtcatatc caatgtaatc tagtagttng aaccctattg 300
 ttgggcctag gctttanggt ctgcttcttt tngtgggcat acccttttcc ttaatgctcc 360
 cgcaattata aatatacaac cctctttatt tgatatngtc cctctcgac tntcatccat 420
 tttcattctt ctacata 437

<210> 9686
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 9686

tctagataag ataagatcta gatgaaataa tatctagatg agatcaaatac taaataatat 60
 ctagataaga taaagtctag ataagataaa atttgataga ataaaatagt cttccctctt 120
 caagtccaag cccaattctg gattcaagcc caatgcttca ttaattcctg aaattagatt 180
 aaaaacatca aattagctga atgagcccag ataataaaac tacctaatta atttgacaat 240
 taagactaaa caataattaa aatggcgcaa aaaggggttaa gaaataggag aaaataatgg 300
 cacatcatgc agctaagcca gtgaggcagc cacagcggcg actcaacccc gtcattctag 360
 atgtggtgaa aaaggaagtg accaagctct tacaagctgg aatcatctac ccatt 416

<210> 9687
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9687

cctataaatc taagcttaca atgtagttct acatctttgc agataatgca aacaattgga 60
 tttctcgggc cagctttctt cttaactcaa ttgagccacg ctaattctcc tgtgatggct 120
 gttttgtgta tgacatgcag tcangtttgc ttcttgtttt gtatttgaga tatttttaat 180
 tctgagaagg cagtctcttt gtaatcctaa cataaaatct gcttatattt gtgtctcttc 240
 ttatatgtat ctggagaaag ttacttaata cttgtataaa gtttctttaa tttaagtatc 300
 tcacttcaat aattttatta tgattattag ttcatactgc ataacttgaa natntgactg 360
 gcaaataata atattcttgg caatgggtgc ttggaacttc tcttgatgag cataactaca 420
 cattctcatt ttgctaagtc ttcataataa gttagaaagt gttgggtcat ccattcattc 480
 ca 482

<210> 9688
 <211> 424
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9688

agctttttaa accgtaaagg ttacattat gctcgtcgcg taaatgtcgg ggcgttcctc 60
cactcgccaa tttcccagtt ggaaatcagg agggcatggt cgtaccaa at ccagcgtatt 120
cggaacgtca tcttcgtata tagcgacgac ttgaccttcg tccccaggc tcgcgcttat 180
aaagctctta cttatgtggc aggggtgggt tctttcacct tcttgtctca accgcgagcc 240
ttgacttcgg ctcttccttc cggcaacgct cctctntata tccgcctgag tgggcttata 300
gcgtaaccca tgcttccac gatttccttt ggcatttata aggctagtta tgccgtcgtt 360
gtctttgcct aaaccatttc cgggttcgta accgctcccc aacataactc gagccatcat 420
tact 424

<210> 9689

<211> 491

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9689

tgaccaatcc cgacccaacc cgggcatagt cggtcagtga gaacctgtga tgtacctaag 60
caggcgagct cctggcagtc aacagataaa aggaacaaag accacaaagc aaggaggctt 120
gtgggtggctg gccagctgtg aaacttgact gatatgtgag atatgatctc tggtaatcga 180
ttaccaaggg tgggtaatcg attacaaggc ttaaaaatga agacaggagg ctaagatggg 240
ctctggtaat cgattaccaa ggggtgtaat cgattaccag gcttgaaaac gaagtcagga 300
aacttacgga gcctctggta atcgattacc agcctgtgta atcgattaca cagagggatg 360
ggtcactggg aatcgattac cacgcatgtg taatcgatta cacagcgc at tattgcatat 420
ttcatgtcct gaggtgtgt aattcacgtn tagcctctgg taatcgatta ccaacgctgt 480
gtaatcgata c 491

<210> 9690

<211> 354

<212> DNA

<213> Glycine max

<400> 9690

gcttcaccgg atgatgccga tcgaacatct ccttatcgac atcatccaat tgttattcag 60
ggattgaaaa gaataaacia tggccggtgt cggctcgttat atggccccga ctgatatctt 120
tcagcctaca ttgcgcaatt tcttttacia acgctggccg ataatgtttt ttttttggtt 180
gaggaagtct tttgttttgg tgttcgctaa aaaatttaca acgtaggctg gctaggtttt 240
tccgtgcgag ctcaaccggg ggttcgttcc gagttacatt ggcatgttgt tcttctcatt 300
tagaaggcca agaagacgtt agcccacccc agcataaaca aaaaataaca ttat 354

<210> 9691

<211> 468

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9691

agtgcggggt cgggagacaa aggtcaagcg ttcgcgatat gctaagatga tattccgagt 60
actntggatt tggtagcacc atgctctcct gatttccagc tgggaaattg gcgagtggag 120
gaacgccccg gcattttacg aacaagcata atgtaaacct ttacggtttt aaaaagctct 180
atagttgggc ctaggcttta gagttttcat tttgttaagg ctttgtgtct tttgttttgg 240
aatttataat acaaggatct ttcttcatct gttcctggtc tctaccatt ctattcatt 300
tgcatgttta cttctttntc taaaacggca gattcgatga cgagtcccc gaaggtacta 360
atacctgcga cccgtctatc aacttcgagc aagaaatgaa tcaaacggaa gatgaaggag 420
atgaggatgt gggaacttct tcggaactag aaagaatggt cgcccatg 468

<210> 9692

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9692

agcttgtgct ntaacctgcc tcagtaatat aagacacatg tgttaaggcg cctgcgacaa 60
taaactagct gtgtgtgtgc aagtctgaag gtgaatgttc tttgtttcaa ttctttattc 120
cttattgtta ttgtcttaat aagggttagaa tagaaaagtt attggaagaa aattaaggat 180

tagctcacct ttgctgattt gaatagttca tcaagaacct cggacaaaagt tggatgtgca 240
tgaactgcaa attntatgtc ctgcattgta ccacaaaacg gtgaaattta ccaaacaagc 300
aggataaata agagtgaaga ctttgtgact attattagta actaaatgcc aatacacata 360
aatgtggtag aaaaatttac ctgaatacgt gtccctaata caattgcatt ggatgcttca 420
tggatgagat ctgctgca 438

<210> 9693
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9693

ttagagaata toccatgaac tctataagat gagaatggag atggactacg atggtgagaa 60
aacagttcta aaataacgaa aatagtgttg tatttatggg ctttgtattc aacgtataat 120
ctctggaaaa atcttatttg tttatccatg taaggagtga atcttgggtca atttctagcc 180
aacacgagag gcttctatct ttatgaattt tctcaccta aactactcaa atgagttctc 240
acataacttt caaatttggt ctattttttt tgtaagttgt gattttcact ctagtatctc 300
aattatctat gttcacctat tatctaagtt gacaattact tttagtcatt ntgataacgt 360
tntacaaacg tttgttggaa ttttagagga tctttataaa acattaataa ccaccggat 420
cacattatat tagattatca agaagaattt atgaatactt gaatccataa tga 473

<210> 9694
<211> 309
<212> DNA
<213> Glycine max

<400> 9694

tggcaatgaa caatacttgt aactttgatt agtttatgaa aacttggtgg gttgccaaga 60
attggacgta ttctcggggt tgagatgaac caacataatt ctttgtgtgc ttctctcttt 120
tgttttaact gacaaacggt ttgaatttgc ttttggatgt aatatctttt ttgctataca 180
aacgacaata tttttatcat tgtctaatag agtttgatct ctaagtgttt taggtctctt 240
atatcagaca ataaacatgt tttcaacagt agaaaaagtt tagatctcta gaacacaatt 300
cagccctt 309

<210> 9695
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9695

ctatgcaagt ttctgggttt ctaaacccttg aanacttggtg ctattcatct tttcattctc 60
 ttctcccttt gccaaaaaga attcgccaag gactaaccgc ctgaattctt ttgtctctc 120
 ttctctcttt tccaaaagaa caaaggacta accgcctgaa ttcttttgtg tctcccttct 180
 cccttggtcaa agaattcaaa acaacacagt ctgagaattc ttttgattct tcccattccc 240
 taatacaaaa gcgttcaaag gtttaaccgc ctgtgaattc ttttgtatcc ccattcacaa 300
 agtatcaaag gtgtaacagc ctgagatctt tgtcttaaca cattggaggg tacatccttt 360
 gtggtacaag tagagggttc atctacttgn gtttgactga gaacaagcga gggtacatct 420
 cttgtggatc agttctagag gagggtagat nactatggtt caaagagAAC aaggagggtt 480
 acatcccttg tg 492

<210> 9696
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9696

agcttctatc anagctgtgg atgacaacat tattaatgag gtcattattg atctcacgaa 60
 cactggtgtt atgaatgaaa ctccagaggt gcccaacaca actttggcca atgagggtgt 120
 ccatcaagac aaagaacctg tgtccaagca gtccaaaacc tcaaaatgaa gcaacgcaa 180
 gggagaaggg tgcacctgat gttttattgt ctactcaact agttcaactc ctacctcact 240
 caattatgct tctccctcta ttgtgaccat aaatcaagta caagagatga taggtcaagc 300
 aattgattcc ttgtcgaac aatacatgct agaaaatgag ccatttatgc tttcaatgca 360
 naatgtcatc accacacagt tctctaacct tagtggttgt ctacttcaaa atctacaaca 420
 agctcanatg actattgtca tacnctaatt tcactctggg accatct 467

<210> 9697
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 9697

tctctatatc agttgcttcg ccaaggatct gtatatgtgt attacatttg ttgttctggg 60
 agaagtttgt attatgtatt gtgcataaga tcaaagaata attttaggtg agagtctatt 120
 tcaactgtaag ggcaggacgg acgacatcag cgtcctatct tcgctatcct atgatcttct 180
 atgaaagggtt attactcacg tgcacctgtc atacgataat tctgatcact gattattact 240
 tgatgacatg caacctatgg atgaccgcta ctatatactc ggcgtcctct gttgcacact 300
 atatgatgtc ccgaca 316

<210> 9698
 <211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9698

gcttgtctca gcgtnatgc gatatggata ccaacatgct atctattatc tcctagtacc 60
 aagaagagtg aggtctagcc atggcccacc agcatataat cgccgacgag tatgctcaag 120
 tatacgccga caaagaggct acacgaaggg tgatcgactc ttacaccaa gaggcaacca 180
 tgtggatgga tcggtctgct cttaccttaa acggggagtca agaacttccc cgcttgtag 240
 ccatggccaa ggcgatggcg gacacctact ccgccccga agagattcat gggcttctcg 300
 gctattgcca gcatatgata gactcaatgg ctacataat tagaaatcgt taggaaactt 360
 gtatggtctc tcagacctg actacatagc actttctttt tgaaataaaa tgagttggtc 420
 ccatgtttct acatcaagaa gcatgtgcaa atcaaatac tcctacattt catctcta 478

<210> 9699
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 9699

aaacatatcc ttctttcttg gttatccttg actccatctc agtgaatcgc atgtccactt 60

ggtactccca ggtgttatac ctctcagcaa ctaatgtttg taaaccctca tagctcgtcc 120
 aaatcttctg acgaagaaac gaatcttctt caccatgtta gtgtccttct tcatcgatgg 180
 gttgaacacc cttttttacc ccagagccat cattctcttt acggtaacca aaggaatgca 240
 tcaactgcctt acctattaga aaggatctct tgattgaaac ataatgttca caatcaagag 300
 ggatgttga 309

<210> 9700
 <211> 482
 <212> DNA
 <213> Glycine max

<400> 9700

actgaattac aatgttccaa ttgatttcaa aatgttatta tcgattacaa tgatttggtta 60
 atcgattacc agtatgtttg aaagttggaa ttcaaattta attgtgaagg gtcacatcct 120
 ttcacaaaaa atgatctggt aatcgattac cagtatgtat gaacgttgga attcaaattt 180
 aattgtgaag agtcacatcc tttcacaaaa aagctttgtg taatcgatta cactgatttg 240
 gtaatcgatt accagtgata gtttctgaac aaaatcaaaa gatgtaactc ttccaatagt 300
 tttcaagttt ttctaaaagt cataactttt ccaaattggtg tttaacgttt tctaaagggt 360
 ataactcttc taatggtctc ttgactagac ttgaagagtc tataaaatca acgctttcat 420
 ttgcatctta ttaattcatt ctctagacaa cacactgttt ccaattgata tctgaatctc 480
 tt 482

<210> 9701
 <211> 508
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9701

agcgcggang ttgacacgat gcgcagcatg atccttaagt cacctgcagg catgcagctt 60
 gntaacacac tggatgaaga ctatattata tataatgca tatatgtata tatagatata 120
 tatatatata tatatatata tgcacatata tctatctcta tatatatatt tgtatatctg 180
 tgggtggctaa tgagctggcc taccctcatt aatatgcgtg cgcttcatag cacgctttcc 240
 atctgggaac ctgtaaggcc acctgcatt actgaaacgc taatatogac cgcacgcgag 300

aaacgtggcc gtgatataac ccatagatgc acttttcttt taatgtcgcc tgctacaaga 360
 ttattcttat cttgtgtcca aacaacgctt ttgggtcaca tatgtgcgta aatatactat 420
 gtccctgccc cactcatctg atacggtcgc acacggaagc attttntatt caaaaccagg 480
 ttatccgctg tattactcaa catccacg 508

<210> 9702
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 9702

acacatacat acccagctc cgccgaatat ctcatgatct catcgataac tcacaagttc 60
 tattttacgc ggcgaaaaaa aatatgtgaa ctogactcac taaaacttgc atttctcaca 120
 gtctctattg aataattata ccagcgtcat cgcacccaac tcataactagc ttagtcaacc 180
 cattggctcg ggaaccatac acacaaccgc cccaaaccac taattggatt gcatatgcct 240
 atattccgca acaactcggc ccaataacat actaatacgt gactccgtga tctacttgac 300
 tcaccgcatc atgcactcta tgtttttatt cttaaagggtg aaccactcca cttatatgag 360
 acaattccac ttctatctta cacttggtgt ataca 395

<210> 9703
 <211> 598
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9703

gtcctcctcc tcttctctta ntctttctct ctttactcat attatttttt ttctatatan 60
 cacncccgcg cgcgcttgnt gacttgcata tccctcgcca ntacgcgaca ctctanaata 120
 ctctatctcg agtgtcgact ctaatgttac atgatgctnc tgttaatatt atatgcttat 180
 cctctatcct aaaatattct gctgtgtaat tctgtataac attgatgtct gatgaaatta 240
 tttgtctcag tgagcgtctt tcccctcttg tgaatgtctt tgtctgttgt cgcttggttac 300
 ctgcaaataa tatgtgggct gtaagattct atttgctagt tcaacagggg ggaactctta 360
 tcttgattcg acgttcctgc tgagctggat tgctgaatca tagtcacct actcaaaatc 420

caagattatg atgcaaccac tgatgtgggt gtactggcac aattcgccct ataacagtta 480
 tcgactactg acctccacag actcgccgtc cacccttaaa tctcaaagac tgactctcgc 540
 cgtgccccat acacctactt tctcaaccat attcttctcg gcacatctta gattcccg 598

<210> 9704
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 9704

gcagctctta gtctcaactg atgaagataa attcgtgggt acttcatgca ctcttctaata 60
 gacaatagca tcatttcttg cactaaattg ctaggagttt gaagccatct tctcaattaa 120
 atttctgggt tcaacagggg ttatgtctcc aagggtcca ccactggcag catctatcat 180
 acttctctct atgttactga gtccttcata aaaatattgg agaagaagtt gctcagaaat 240
 ctggtggtga gggcaactgg cacatagttt tttaaattct tcccagtatt catataggct 300
 atctccactg agttgcctaa tgccctgaaat atcctttctg atggccatgg tcttggaagc 360
 agggaaaatt ttttctaaga atactctctt gaggtcatcc cagctcgtga tggaccttgg 420
 agcaagctaa tat 433

<210> 9705
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9705

tgaagttgga ttctcanatc ttaataagaa caaatatagt gaatgcaagt cttagtttgg 60
 tatttctaaa tttcagtatt ttataaagt ccagagtgtt tgtgaggaag tgtaacttca 120
 acaatcgaca aaaatttaag ataattagag aatatggttg ttcaaaaaaa ttagagaagc 180
 aacaggaaca agaattaggt ttttatcttt tggcagaatg tgctaataag ttgacaaaac 240
 tacagaaaag atgcgtgtcc ctgtcatata aatttatgca ttgcaaaaaa caaaaaagaa 300
 atacacttca tctacttttg atattattat caccatatac agatttttaa agggatcaat 360
 tgaaggttca agtgacctca aagctacccc taaggctaata gggatgaacga ctgatcactg 420
 aaaatagatg gcacgttttc aatctagaat tgccctctct ttttattatg aactgacag 480

tgtgactggc aagttta

497

<210> 9706
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9706

tgcaatcgat tatgataatg ttgtaatcga ttaagataga gagttttgcc ttctgaagaa 60
actttttctaa cttacaaaat tttcttttca cttactcatg atgatgcatg atgcataaaa 120
gatatgatat ggactaaaat gcaacataca atataacaac caatacaaat tccattttaag 180
agagttgtgc atgtaaaaga caaagcatct tcaagctttt ctccaagctt caagcttttag 240
tcctcatggt ngttatgttg ctccccctat ctctaacana gataacatta gccacaacat 300
cattcttagc caaatcaaat cccgaggaga agctgggcat atacctcttg gtctccaatg 360
aaattgtgag tgcggccgtc gtttaggagc atggagaagt tcaaaaacca atttatttaa 420
taactngagt ccaacacgag 440

<210> 9707
<211> 499
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9707

cctatgagac taagcttaag aacaacatag agttgggagt tgaaaagctt gttctttttt 60
tattattgaa agtgagaaca caaggtgact atttatagag aaaacaatta taactgcttg 120
taattgatta aatcgcttac ataatcgatc atctcgaaga agtaattgat tagatttctca 180
ttttaatcga ttaaaatggt cttctcaaaa cctgtaaagc tttcaagaac aatataatca 240
attagattct tgatttaatc gattaaagtg ttcttggtcac ttctaggaac actttcaaga 300
atgatgtaat cgattactat accctcgtaa atgattaaag cagagaccct aagaaaacat 360
acatgggtctc aaaagaatag agtaatcaat tacagataca tgataattga ttaanattga 420
gttatgcact gaagatgtnt ctcttcttag aaacaatctt cctacttcta catgataatg 480
catgatgtac acatagata 499

<210> 9708
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9708

gctttggagt ntccaagtgc caattcgtct tcttcttttag tccagtcttc ttctggcttc 60
 aattcttcag tgggctttcc ttctgtgtcc agcatcttgg gatgttccca gcctttgatg 120
 acagctttcc aggtttctgct atccagtgat ttgaggaagg ccaccattct tgctttccaa 180
 tattcatagt tgcttccatc gagaattggg ggtctgttca ctgggtccgcc ttctttctcc 240
 atgttcatca gaatttatct ccctagatct cactctgtga tttcgagtgt tggctctgat 300
 accaattgaa attctgatac caggggacag atgtcgtaca ggatgtcacg acatcacgct 360
 tcagaacatg cagattatat gtgtccgtat gaacagatta nactagtaaa taacacaaga 420
 gaattgttta cccagtgtctg tgctacctca cctaca 456

<210> 9709
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9709

gatgatgctc taatggagga naagaaagag agaacgggat atcgttaaat tgaacgaata 60
 aaagagggag agaagtggaa ctttgaagtg tatctcataa gactttcatt catcataatt 120
 acaacaggtg ttacacatgc ttctatttat agactaggta gcttccttga gaagctatct 180
 taagagaact tccttgagaa gcttctttaa gaaaacttcc ttgagaagct agagcttagc 240
 tacacacacc cttctcataa ctaagctcac ctcccttgaga agctttctta agaagattcc 300
 taaagaagct agagcttagc taccataacc ttagctaagc tcaccttctt cagatgagaa 360
 gctagagctt agctacacac cttttatata gctaagcaga gaaacatatg cacgaaaaca 420
 tgaataacaa aacaagtctt actacaaaga c 451

<210> 9710
 <211> 408

<212> DNA
 <213> Glycine max
 <400> 9710

gcttggtgga gtatggggca cccgtcatat gtggttctat gtggcgatcg ggagatggag 60
 caaatcaact ctcccacttc cacaaatcaa acataaagac accatcccca gttgcccacc 120
 tttcaactga gctcacgcac tctacgtag cccttatect cgttcctctc agcatcgggt 180
 ccccatcaac ccctccaagc ttccacaata tccaatcagg tcaatttcaa atatcatgaa 240
 ctaccctaaa ccaggaaaac agagtagagg caggaaaactc tgttcaaaac ccactcaaat 300
 accacagctt tccttactca tataccccag taacattctc ttcgttccga ttcgtcaacc 360
 ggtggatcgc cttgaaaatt tactggaggt tactagtata taaatata 408

<210> 9711
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9711

agaaagagag aacggggggtt ggggggagca ctaaattgaa cgaataaaat acggagagaa 60
 gtggaacttt gaagcgtatc tcataagact tttataatgt tacacatgct tctatttata 120
 gactangtag cttccttgag aagctttttt aagaagactt ccttgagaag cttctttgag 180
 aaaactttct tgagaagcta aagcttatct acacacactc atcgtaaaac taacctcacc 240
 tccttgagaa gttccttga gaagctagag cttatctaca cacacttctc taataactaa 300
 gctcacctcc ttaggaagag aagctagagc ttagctacac acccctataa tagctaagct 360
 ccccccatg acataatata tgacaatata naaaaatcct actacataga ctactcacia 420
 tgccctgaaa tac 433

<210> 9712
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 9712
 agcttcctat aatcaaatgc aaaatgggtca cttatctata gggacaagaa aatgaaattc 60

tccaacacgt ctagctaatt gagactagct agtcactttt ttcgtgcacc aaggtgcaac 120
tctaagggtca attgttattc agttatgtca aacataatta aaactcagaa tcataataaa 180
ataagtaaat aaaaacatga agcaaatcac gtcgtgaat tacgtttatg ttaattgcag 240
taaataaagg aggcagccac aacaaaagg gtttgctgct gaaggctaca gtttgatcct 300
ttgagagaca ataactgaat aagaagaact aaatgggtgt gtcattgtgt taatacattg 360
tgtggacaga tacaattga agtaca 386

<210> 9713
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9713

aacctatagt gagtcgtatt acaattcact ggccgtaggt tacaacgtcc tgactgtgac 60
aaccatggcg tgacccatct tattcttctt gcagcgcata ccactttcac cagctgacgt 120
aatcacgaat aggccgcac cggtcgcct tccctacaat tgcgcagcct gaatggccaa 180
tggcgcctga tgcggtatct actccttacg catctgtgcg gatgatacac cgcattgggt 240
gcactgtcag tacaattctt tctgatgctc gatagttaag ccagaccgca cggcgtcaa 300
caccagtgga cggaacccc gagacgtgag aattaaagga gagatgatcg atgatgaacc 360
acaaccctta atttgcagaa cttgacatta ctaattgata tctcgtcagg accatcaaag 420
tgtgacactg agtgcn 436

<210> 9714
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9714

gaagaaattg tagctnttcc ctctgttgtc ttggactcag ganaatattt cttcaaaaac 60
ttttccacaa ctttatccca agtccttaag ctattacctt tgaatgaatg cagccacctc 120
ttggcttctc tagataatga aaatgaaaat aagctgagcc gaatagcatc ttctggcaca 180
ccgacaatct tgacaatgtt gcatatctca atatatgttg ccaagtgtgc atatgggtct 240

tcattgngta gaccatggaa caaattgcct cgtattaact gaatcaaaga atgtggatat 300
 gtgatattgt gggcctgcac ctctggcctt gcaatgcttg taaagaactg tggcacagcg 360
 atgctagaat aatcttcaag ggtcaccctg cttggttgct cttcaaccat aatgt 415

<210> 9715
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9715

tcgtccccta tttgctataa atagggggag aagtgaagat tattatgggt cancccccta 60
 ggcacttctc tctctttcga atttgcttag gaaaattggt tccgtgaaga aaatccaagt 120
 cgaggcgctt ccgtaatggt tccgtaacgt ttccatgagt aattacgcga agattctcga 180
 ccgttcttca agattcatcg ttcgttcttc gttttcttca gtcttcaacg ggtaagtacc 240
 ttataccaag cttttcaatt cactatatgt acccggtggtg gtccacattt tgtttcatgt 300
 atttttattc tcattttcat ttactttcta tcccccttt tgatgtgctt aagccattta 360
 tctaagtcat ttctcgctta atttacaat aaaataaatt tccaccgatc gtttgaattg 420
 tatcatccgt t 431

<210> 9716
 <211> 517
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9716

agagctcgct cactaaccat ggcataaca caacgcgaga tggtctcttc aacctcacac 60
 cacaaggatt cgcataatg tatactctca acctctaaca ctctaccant cgatacaaac 120
 tatggatacg gataagcgag actccacca acaaccccg cctgctgcga tgacctatcc 180
 acaacaatac tagcacactc gtgcataaac cactatatcg caaccgcact tattagacat 240
 actgatcgca gaagacaaca cccaatctac cggctatttc atcttctoga caaaaaggag 300
 tagcacacac tggggtggcg acgagcctac tcaccatcca tatactccac tgagcgacca 360
 cacacagttc gctacctcaa actaacgtgt catcctcaa tctttctctg aaccaccaac 420

caaacctcct aaccactctt ttattttcttc actccccctcc accatgatgc gacaacacac 480
 aggaacatgc tatacacttc cagtgcgaag caatacg 517

<210> 9717
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9717

agcttcacct attggtcctc ctcatagttg ttgcatgata aaacatgctc tatnttcac 60
 gccactcca agtaggcctc cggatcattc ttccctttca atggaggaat gttgagtgt 120
 ataccttcaa ttcggctatg tctacgaaca ccatcattcc ctcttctcct cctttcttat 180
 tcattaagat ctgtattctc catttgattc aacctctcat ggagcgcac atctcgttgt 240
 ttcattaacc tctccgaatg ttgcctctga gcttgcatth ggaattgcga aagccccact 300
 ccatcattga gattagtgcc cgacatctca aacatacgac tctgacgctg caagacaatt 360
 atagttgttg attgactacc tcaccactc aagagtatca cacaac 407

<210> 9718
 <211> 197
 <212> DNA
 <213> Glycine max
 <400> 9718

tccttctttc ttggcttatt ctctaattga tggcgcgctc ccttatacta ttctcctttg 60
 ccttccgctg catctccatg gtgaaaaatt accattgtag gacctcattg cagctcaaat 120
 atccagcctc catagaagct ccacaagcac cctttcatct attcagatga cattgtatgt 180
 aatattcatg ccgctta 197

<210> 9719
 <211> 576
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9719

tcatcaatac antnctntcc nactgctcac aatntttata tattttatth ctccctccct 60

nncccccgcg gcttgatgca tgcnantcct gcactnancc gacacaanca agactcaacc 120
 tgcgaactgn ctctttatca gcaagtagct cattgtttta ctattgtaga gaagtcactg 180
 aagaacctct gatagaagcc cgcgtatcct aagacactac ccatacacta ggcgttatag 240
 gaggaggtaa atcctgcatg acatcacact tggcgtggta caccttaatg cctcacgctg 300
 agatcttggtg gcccaatgat atccctactc ggaccatgag atgacacttc accttattca 360
 tgaccagaat tgctccaact catcttcaca atacgagctc cagatcaact ctaggacaca 420
 aaggatagcc gcaaactgag aaatcgaca tgaaacttga tgactataaa ccatgatgca 480
 aaaagctagc acgtactcta aaagtgggtg gcttacatac cagatgaatc tttcgatgca 540
 agacacaaac ggtatgcgaa gagcttctct gtctctc 576

<210> 9720
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9720

agcttgaaga tgtgtaacct gccatcttct catattagaa ctgatgtagc tccattgaag 60
 cttgtaggcc ttggatcttc ttcataatg gagtcttttg cttcttaaag tttgatagca 120
 gcgtaatgga gaaggagaag ggtgattgga gatgccactt caaggagaag atgagtctat 180
 aagaagctca ccaccatagg aagccatgga taatagcttg aaagtaagag aagatgaatg 240
 gacggagagg gagaaaggga gcatganatt tagtgctctt aaagaagttt gaactttgaa 300
 gtttaattct cagatgatca aagttgaaaa aatgcacaca catagcctct atatatagcc 360
 taagagtcac acagaattgg agggaaatct gaatgtctat tcacatttta ctagaatttg 420
 acattgaatg gtggagccaa atttcact 448

<210> 9721
 <211> 480
 <212> DNA
 <213> Glycine max

<400> 9721

tgcaagaagc tctatgtaaa aagttgaagc ttagttcatc ttatcacccct caaacagatg 60
 gtcaaactga gagaaccatt cagtctttat aagaccttat gagagcttgt gtaatatgac 120

aaaagggtat ttgggatgag tatttacctc tagtggagtt taccacaaac aatacttttc 180
 atgctagtat acatatggct ccatttgaag ccttatatgg gaggaagtgt agaacaccat 240
 tatgttggta tgagactggt gagtctcttt tgatagtgtt gagtctgggt gcatccaagt 300
 cacattggac tgtacaaac aagttaaatt cctgaggttt tgatgttaac aaagtataaa 360
 ttttaagtac taacctttca tgcttaagtt acaagctatc ttatctctga gatacaagca 420
 gaaaagcatg aacataaagg ttctggacaa taggcaaagt atcagtcatt ggatgatact 480

<210> 9722
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 9722
 taaacatcca aatatcatga actatccaaa aacaagaaaa cagggcagag gtagaaaact 60
 ctgccccaaa cacaaccaat accacaactt tccttactca aatacctcag taacattatc 120
 ttcgttccaa tttattcacc gttggatcga ctcgaaaactt ttactggagg tccctagtag 180
 ataaatctac attttgaccg ttgggatctg ctagaaaacg tccagaaccg aatatgtaca 240
 accctttcca caaccagcca tgcataagca ttttctgcac aaacacaata gcaaaattct 300
 gcataatagt gcagattttc gaaatcactc tagccttcac ccaattttgc ccaaattgga 360
 tcctacaagt cctaaatcaa gtataaatca tacctaaacc aaagacaagc ttcagaccaa 420
 agcaattcaa aatct 435

<210> 9723
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9723
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 aataaagaaa gatataatth aaatttgaaa agtgagatca tgcacttccc tttgtggcta 120
 acagagactt tagtacctat gttggacgac atttgtgagg atataaaatg agtgtgtaag 180
 taatgttatg tctagtgaat gtaagcaaga acaactcagt gtgtaatggt cgaactcggc 240

aagtgcaccg gatcgcgcaa gtagtataaa atggtaagaa ttgagtatcg aaatcttggg 300
gaacttgtgt tacttggtaa agctatatc agtgaatagg tgtcttgtat gaaaagatat 360
gtgtggacta tgaacatgta tgtaaaactaa ctattaaaaa ggaaaatcac gtgagtaatg 420
atgtgtaaag acaagtagac aacatgttgg tcttcctatt aggtgcctga tatgttctat 480
g 481

<210> 9724
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9724

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ccctacttcc nccacttttt aagcttcact ttcaactgtct ctgtttgtta gggttgctgt 120
tcaaacttca cttcatcttt tcatgtttta tttataaaaa aaatatattt taagaagctg 180
atgtgagggg agctgcgtct gtgtgtgcct gtggctcttt ggacattgaa actttgttca 240
atgtttggga acaacaaaga gattgtgtat cagtgcgctt canggagata aaagctagta 300
cctttgtagg gttntgtnta tgtgacgagg aattagctat aatagttgaa tataataata 360
atctaataatg attgttggtg ttcgatggta tcttatctct c 401

<210> 9725
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9725

cgtacttcat tcaatgaaga aatgttcttg ttacgtgtg ggtgatagat gtaagagtga 60
gtaatattaa gagaagagga ggagatatga gatactacct gcgtactttc caacaaaggc 120
agacatgggt aaagcttatt ggatatatgg cgggaaacag ataacagaca acagcacgaa 180
aaaggagttc agccagacca aagctatata gataaaaatc tcaaaggaat ataccaagtg 240
gtatctaccc aacctatgca aaggaaccac gtgtccagtg attagcctaa cgaacgttat 300
cactcttggg taaagcaacg agtgatcctt cccttgccca agtggcacct catcctccgt 360

ttcaataata tatattccac tcacctcatg atatataaca aggaaatfff gtggaaagct 420
 ctcacccgtc accctcttgg acttggctnt acatattaag atatcaacct acaggctatt 480
 atgaaaattg t 491

<210> 9726
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 9726

acctgcggca tgcaagctta caatgatatc gttaataaga ggaatfffct ctacttgcag 60
 cgatttgcta gcttacagaa tttggttctc ataatggtgc gttagaagag ctatgtaatc 120
 ttcctctaata atctcttggg aatttggagt tgtctaatac acaactattg tgtcaacatg 180
 actgattcgt attgctctgt cttgtctgca tgaaaactag tttgaacagg atacaattgt 240
 aataccacag gaaacagctt ggtttggcta ttatccaaat ggagccctcc atcccgttgt 300
 accagttcaa caggtaattt aagcattccg tatctgtagt taattgttgc aaatgtcgca 360
 tactcaactt cttagctgct ttgctgctgc ctgtgactcc ataatactct cacctccctc 420
 ctacatgaga tatgagtgta tgacaactga ctgtggatca cc 462

<210> 9727
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9727

cgagcatgtn tggatgaaga tggacacaca agaataatgg aacacttctc tctgtaataa 60
 aggtaacccg acattcgcaa cttgtcatgc actcattatc tagccactta acccaaccat 120
 atattttgtg atcttgatat caatcaaaat cgatccatta aatccacacc tttcctttct 180
 ttttcttcca acttcttttc ttctgtcgtt tatatataga aagaagtctt gagaaattaa 240
 gttcacgtta aataaacttt tcttcttaaa atgcatactc tgtntttttg ctactcgata 300
 ataaacattt gtttttttta gcaattatac gctcttaatt tgctgtttca ttgccgcatt 360
 aagccaaatt aagtatttgt ttttaacatt gagcacaact atgttcatta tcaatctgtg 420
 taaaacaaat atcttatgct tattagcatc taatctattg aatcaataaa ctatatataa 480

cggaatcac

489

<210> 9728
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9728

gcttgagatg aggaagtgta gaagggtgaa actttctgct tntattcggt gaccacagag 60
tggtacctgg agatatgtcg cggggggtcaa gagaccttgg ggacgccaag tgggggtgcta 120
ttgcccaaaa ccaagcttga ccaatcccga cccaaccggg gcatattcga tcaatgagaa 180
cctgtgatat acctaaacag gcgagctcct ggctgtcaac agataaaagg aacaaagacc 240
acaaagcaag gaggcttatg gtggctggcc agttgtgaat cttgtgtgat atatgggtta 300
tggcctctgg taatcgatta ccaaggggtgg gtaatcgatt acaaggctta aaaatgaaga 360
caggaggcta atatggtctc tggtaatcga t 391

<210> 9729
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9729

tatataactt atatccta atcacatcct atcagagcgt tgtgttcccg tgtcctctag 60
catgagggtc ttcatagtca tccacctatt catctggctc cctgaacaca agttcaagat 120
catcacagga tccaaacaca acaacacaca gggagtgagt tatcatattc cttagctaata 180
gaaaaacaag acaattaaat atacatatta tataaatgag ataccacttg cttaaacata 240
gtcacgtaa cttcaccact tcgtcattca aaattcactt ttcaatcadc aatcacatta 300
cacaagaatc ccacacttcg atcaagatat aataacacat caattagcaa gcatatgcaa 360
cagttatgcc aagactcaat cctatatgca atgtggtacc atgtcagtcg aaaaccaccc 420
tgnngcgctt angagtacat aacaagacac accacaccat gggtttgtca ggtcactctc 480
ac 482

<210> 9730
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9730

acatctacac aacatggggt ttccattcta ttccttattt ttctcatctt agtttatgat 60
 cttgggttaag tctatcaaga aagggtgttat gttgtaagtt caaatcatgg attttctctt 120
 gtaggggttca agggattaag ggtagttcta gagatttggt tgtgcatagt gtttgttttag 180
 tgattgttct taaggttctt atatcacatt gagtgtattt tctcttaaga attgaatcag 240
 tataaacctt cgtctcgatt ctctctatcc tttatcttgt nattgagttg ttcttgatat 300
 agtattgtgt tggcatctga acctgtaatt ggacgtgcca ttaaaattct tgttttgaat 360
 aaaactga 368

<210> 9731
 <211> 487
 <212> DNA
 <213> Glycine max

<400> 9731

aagcttggtta ttaggactgc actgctgaac ttgttgagaa taggtgttga atatgaagag 60
 ttagcttctt gtctactcta tgaaggaatg gcacgctaca tgcattgatca caaaactgaa 120
 tgtaagtatg ctccagaaat gcaatcaaga gctcaggctt attacaaatc agaattgaatc 180
 aaaactgcaa cagctcttga accaaatata ttgaaaacaa aaagccaact atagattaag 240
 tccaaacaac ttgaagatgt acaaaggcac acggatcaag cttacctga acccaaacaa 300
 tgacaatggc agtgagatct aaaataatgg cgcggagact tgaagctttc ctcttatctc 360
 gatcaagtca ccacgaaatg tacctacggt taaccgaaac aacgcagacc tagtacgtta 420
 gatgaaatga agcttagaca tcaaataggt tacctcactc aaaatgacac cttgcgagca 480
 aaaacct 487

<210> 9732
 <211> 253
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9732

tacttacttg ttggtgttta tataaaagcg ccgaacggaa tcaaaaaatg cgaatagtga 60
 tgacccttag actgccaaact cgtaaatccc gtgggtatgg cttttgaaag ggggaaaaga 120
 attttttgaa tgaaaaaaaaa cgtccccccct ttcgtcactt ttatatatttg gtgcagaggt 180
 ggctcgccca cgcgagctaa cctgcacttt ntnttttttt tttttttttt ttgaggggaa 240
 catttaaaca tgc 253

<210> 9733
 <211> 476
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9733

cggagaggat gcttcaatgg agganaagan agagggagat aaatagagag gcgggagcac 60
 gacattgaag gaagaaaaag ggagagaagt tgaactttga gttgtgtctc acaagactct 120
 cattcatcaa agttacaaca agtgttactc atgcttgtat ttataaacta ggtagcttcc 180
 ttgagaagtt ttctagagaa aactttcttg agaagcttct ttgagaaaac ttccttgaga 240
 tgctagagct tagctacaca cacctctctc ataactaagc tcacctcctt gagaagcttc 300
 cttaagaaga ttcctaaaga agctagagct tagctacaca tacctctcta atagctaagc 360
 tcacctcctt gagatgagac gctagagctt agctacacac cccctataat agttaggctc 420
 accncatga caaaatacat gagaatacac aanagatccc tactacaaag actacc 476

<210> 9734
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9734

agctnntaat ttaattgtca taataattag taattacact atattacaac aaagtaaata 60
 tggatctcta aagtatnttt actttntcta atcattatag tcaatctcga tgtctaattg 120
 tcccaaaata atctttgaaa gcatatacta ttaattatct aggggttcgg gatacataga 180
 cggtagtgtt ggaaatctta atctttaatg tttattgatt aaaatatatt ttttccttat 240

acaaagaact gactaagaat tgagtcttgc ccggcgcttc agatatgtca gtgcaaagat 180
 tgcactgtgt tttgaagtct gctgccaatt atgcttatta actcagctca tacaatgat 240
 tctatatata gactaatatc taattaatat gttatatattt atcgcttgca agtgcagctt 300
 attaactatc tggtaatcta tctaataata gttgggttgg tcgagatttg ataagttgag 360
 aatgtcaaaa agaaacttag taaaacgtcc gagttgcgat actactctga ccgatatcta 420
 ttaatctata tatccttaat tgagccatac gtgtacatgt atatacttc 469

<210> 9738
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9738

agcttcatgg tgaatcaaag gtgattcana tgtgttttga tgatcacaat gatgataaca 60
 aaagatgatg gcaaagggtga tgacaaaaag ctcaaagggtc aatcaaagaa caactcaagt 120
 gaatcaaaga tcaatcaaag aacaactcaa gtgaatcaag aacaatttaa gagttcaaga 180
 taagaatcaa gaagaattca agactcaaga agaaagttta gaatcaagaa tcaagattca 240
 aggttcaaga tctcaagaat caagatcaag attcaagact caagattcaa gaatcaagag 300
 aaggcttaat caagataagt atgaaaagtt gttttaaaaa attgagtagc acatgatttt 360
 tctcaaaaca tgtttaccac agagtttnta ctctctggta atcgattacc agattttggg 420
 aatcgattac 430

<210> 9739
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 9739

tgtatagttc cctaatttat ggctcatttc ggagtaaatt tataaataaa tcttgtttta 60
 tggttaacgt tgtctctata acatttccat tggatttaat gacgaaatgt gtgcattttt 120
 atgtaaaaaa aaggctaagt tttgaattgc aaaaagtagc agttgggcta agctcaacag 180
 ttgggctaag cgcataacca ctgctaagcg cagcttcagc gcacttagcg caaaggagaa 240

tctggtagag catcagcatc aaagtcacgc gctaagcgca agatcagtgt gttaagcgca 300
gaggtgcctt cagccaggct aagctcgaga ctggcgctaa gccaatttc acttactcgt 360
gctaagcgcg aggggtggcg taagcgcaat gtcacaattt cagagcctat ttaaagcact 420
atttgtgcag aattatggta ca 442

<210> 9740
<211> 333
<212> DNA
<213> Glycine max

<400> 9740

tctgtatggt ggtcagcaga ggagcacaaa ccacaaaccc ttgcgacagg tacatattta 60
tgattcaagg ccagctgggt taccaagttg accaacgcat acagtttgcc ttcaagcttc 120
ttagtttcag atgatgcaga tgggtttgta gctacctcat gcactcctat aatgactatg 180
gcatcatttc tggcactaaa ctgctgggag ttggaggcca tcttctcaat taaatttctg 240
gcttcagcag gagtcatgtc tccaacggct ccaccactag cagcatctat catacttctc 300
tccatattac tgagtccttc ataaaaatat tgg 333

<210> 9741
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9741

tctagccaaa tggacttacc ttgaattaat tcctttgata gccctgttaa gccttgtttc 60
cccttccttg ttttgaagct cactacaagc cttaaatan aaaccatgat atcaccatat 120
ctttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gggttttttt 180
gtttcattgg ataacttgat ttgttggtga tgcttcgtga tgaattttgg gccatacttg 240
atgtacattg tatattggtt aaatgttgga catgctgaat gaaatgttgt ttctcacagg 300
ttatattcta aaaaaaattt aaaaaaaatt c 331

<210> 9742
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9742

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ccactcctca cgtttgggtt tttaggga aaacaccata actaaacgcg ccgcaaggga 120
tccctatcgc accagatcca aatctagaac gatgggtgat caagaggaga cacaggaaca 180
gatgaaggcc gacatgtcgg ctctgaaaga acaaattggcc tccatgatgg aggccatgtt 240
angtatgaag cagatcatgg agaagaacgc ggccaccgccc gccgctgtca gttcggctgc 300
cgaagcagac ccgactctct tagcaactac gcaccaacct ccctcaaaca tagtaggacg 360
gngaagggac aactgtggc acgatggcag ccctcacctg ngatacaacc gagcggtta 420
cccttatgga ttgccgccca actattcacc accca 455

<210> 9743
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9743

ctagctgaat nnggttggtc ctctgatggt tcgtgtatat tgaccaactg ccctaagatg 60
ttgaacatgg ttagtataga tacatttcca tttgatatga ccctacctac ttcaaattaa 120
agggattacc atccaatctt ctactgcct attaaacctt aacttgtaaa ttaacataga 180
gaaatatgat aataataact gctacacatg ttgttttctt catacctaac taactgtgtg 240
acctaagagt aagtagtacc caaacgaaaa cataagttaa atgtaaattt ctttttatgc 300
ctacacttta ttaaacaata tatatatata tatatatata tatatatata tatatatata 360
tatatatata tatatatata tatatatata tatatatatt caatctctat tagagagaca 420
caaaacanaa gcatgctata cacncacata accaagaatt caatggattc tctaaaaaac 480
cg 482

<210> 9744
<211> 425
<212> DNA
<213> Glycine max

<400> 9744

gatgataaca aaagatgatg acaaaggtga tgacaaaaag ctcaaagatc aatcaaagaa 60
 caactcaagt gaatcaagaa caattcaaga gttcaagata agaatcaaga agaattcaag 120
 actcaagaag aaagttttaga gtcaagaatc aagattcaag gttcaagatc tcaagaatca 180
 agatcaagat tcaagactca agattcaaga atcaagagaa ggcttaatca agataagtat 240
 aaaaagggttt tctcaaaaat tgaatagcac atgggtttttc tcaaaacatg tttaccaaag 300
 agtttttact ctctggaat cgattacccg attggttgtaa ttgattacca gtagcaaaat 360
 ggatttgaaa aagttttcaa attgaattta caacgttcta attatttcaa agagtgggtat 420
 cgata 425

<210> 9745
 <211> 495
 <212> DNA
 <213> Glycine max

<400> 9745
 tcagcttgct tgctagaatt tcagtccttt ttgataactg cgaaatttat gttaatttga 60
 tagtcatttt tggctaataa tgagtgaat ttcttcactt tactattgtt tttaatgaaa 120
 taacgaagaa attaacatct ttgcaatttt tgattagcag aagtcaaaag aagaatattt 180
 caagtgccttt agagaaaaat tgatgcaaga attgaagaaa aagccttgaa gaagaattgg 240
 cagacttaga caactcgctc aacgtgcaat ccaggcttag tgtgcactct tgcttagagg 300
 acaagttcag gcttagcgca cagctcgctc agcgtgcaac ccaggcttag taggaagaag 360
 acccacaagg aagcccaaag gcgcgcttag cacgaaagct cgcgctaagt gtgaagtcaa 420
 catgaaaagt aagctacctt acgcctataa aaggagtaag aagcataagg gaaaggcaca 480
 tcgagtcctta tagct 495

<210> 9746
 <211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9746

agcttcngaa agaggacctc tcactaatc acatattttc tttatttggg tntagagaaa 60

ttatatctct tcatcacttt tatatctttc taaatacgtg ttcgcttaat tatactgagg 120
 ctttaactta ttatttatgt aatcaagtct gctttcattt tcatttgtat ccttttttat 180
 cttaaaattc atttttcaag tatccatata ttgtgaactt tcttaattgg tactacacta 240
 ttcgaccaat gccttttagt ttctatcaaa ggattttaa tacttattat gttatatctc 300
 tctctataag tcctatggta ttattaataa tatatataat ntatacatta tcattactaa 360
 atataaaatt ttatacatt atatatgttt atcttttaag gttgcaattt ttactaatt 420
 atntctacaa ttgaatctca taactaattt agggttccat tttaatgggt ctatcttc 478

<210> 9747
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9747

gcgccacgaa cacataactc tcccgttgat tatntaatt tatcttttgt tattcacata 60
 tatatgggat atgtaaacac tatctacaca aaataaattg cactaattag ataactaagt 120
 ataccatagt ttcttctgtt gctttggaac ttagcacgca cttgtagcct agcaattntt 180
 tatcagacac ctcatcactt tctgcttctg aggcttcaact accaccgaag tactgaacca 240
 cacaacctga aatacatatt catacaatta tatatattta tatatatata gcgtacctag 300
 tggtagtgca tgaggctgaa aatcaagaa tctctatatt ctctcacagt ggaagaaatt 360
 aaaataatat gataacaatt ctaatatgca agcaaagca aataatcaac atagaaaact 420
 cacatcgcaa ggagttggcc agtttgctga gggttcctgt gactaataca aagagttcga 480

<210> 9748
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9748

tccggatctt aagtcacctg cggcatgcaa gcttgatgtc attcanaaga gactatgtcg 60
 acctaaatga tgactgaaca tgcattgttt atctaattta ttcattatgc gatataattt 120
 gttgaagcca ttaaaggata attattaagt actcgttgcg ttaagaaaaa aattagctgg 180

tgcaacaaaa atcaattatg catgtacgat acatcgttgt cataattgac aacacataat 240
 gatatgcatg cgtattaaag tttgagcgtg acacgacatt gactgacttg acaacacatt 300
 ctgatgcacg acattgggtt agtaggaaac ataaacacga aacatgttca cgcgtgtcta 360
 tttttttata aaaaaaaagt gaagcaatct gtcggtgaga accatgttat atatgagaca 420
 cgaaaaatgg ctataaatca cacattatct tgctttcaca tactctncca catgatacat 480
 aaagtatgac a 491

<210> 9749
 <211> 465
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9749

gcttcatcat gaatacccat gtcattcctgg agttatcatt gatgatggaa atgaagtacc 60
 ttgcactctc ccagtgatgg aactctcaaa ggcccctagc agtcataatg gacatagtcc 120
 aatatggcct ttgtagtgtg cacaaccttt gggaatttcg ttagataccg tgctcacaaa 180
 acagaagagg ttccacctta tgatttcctg gtaagccttg cttgctcaaa atttccagtt 240
 tttttttacac tcatgtgacc cagacacaga taccacaaag aattattatt ggacgagcca 300
 ttgggtgcat ggctcccaac ttgtgaaact gttaaaatag agcctatcac attggaccct 360
 tgaaggatgt ancaaattcc tctcttggtt tgctgcatta gcacaaactt tcctttccct 420
 ctgatttgat aactccactt anaccacaat aaaacctttc aatca 465

<210> 9750
 <211> 360
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9750

tcagtattca agactcataa ctcaagattc aagaatcaag agaagactta atcaaatagt 60
 ataaaagggtt tttcaaaact gagtagcaca tggattnttc tcacaacatg tttaccaaag 120
 agtttttaat ctcagacaat cgattaccag attgttgtaa tcgattacca atagcaaaat 180
 agatttgaat aaagtttcaa atgaatntac aacgttccaa ttgatttcaa aaagttgtaa 240

tcgattacaa tgtttttgta atcgattacc agtgcctttg aacgttgaaa ttcaaattca 300
natgtgaaga gtcacattca tttctcataa naactntgtg taatccatta cactgatttg 360

<210> 9751
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9751

tacgtgaaag tagtataaag aaatacttta gaagttaagt tattcgatag tagaatcttt 60
atgacataaa tagaatgcat ggtcgaacat taaaataatg gcatgtggta ggtcatacat 120
acataatctt tgtataacct gatagaatca aatgaaaagt aagggatata ttacaacata 180
aacaagtata tgaattcatg tcatcagaat agaaatcaaa atattcttta caacataaga 240
taaatagcta aactaagcta tgaactcgtt tgagtagtct acgttgggga aattcttaan 300
aatgagagtc ttgtttgtcg aatctatana tnggcagggg tcctcctaata acatggatag 360
acaagtgaag attttcccaa gatttacatc aacacacaag cttnatcca atctatctct 420
tcacaattan aatataatat aacatatatt catattcata ttaatatcat ct 472

<210> 9752
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9752

acatgtgggt ctatgtggcg gttgggcat ggtgcaagtc aactatccac atccacaaat 60
cacacataaa ttcaccatcc ccatatgccc accttcaact gagctcacgt actcccacgt 120
agcccttatt ctcatctctc tcaacaccgg gtcncatca atccctccaa gattccataa 180
catcccaaga gattacatcc aaacatcatg aactatcaaa aacaagataa cagggcagag 240
gcaaaaaact ctgcccataa cacataccaa taccacagct tttcttactc acatacccag 300
taacattctc ttcgtttcgc ttcgttcacc gttggatcga ctcgaaaaat ttactggagg 360
tccttagtac ataagttctac attntgacca tcgngatctg ctagaaaata gtccaaaccc 420
aatatgtac 429

<210> 9753
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9753

agaactatga ttattgaaga atatattctat gttgcttntg atgagactgg ccctataagg 60
 ccaagaaaag aaacacttga tgatattaca aattcattat aatatataca cattgatgag 120
 aaaaggcata aacgcaaagg aaatggtaat gaagaagact ttcaacttga tgaaaataaa 180
 acaaatatat atcttccaag aaagtggaga acttcaagat attatcttct tgataatatc 240
 atcagtgaca tctcanaagg ggtaacaact tgacactctc tcaaagatgc atgcaataat 300
 atggcttctg tttctttaat tgaaccctaa agtctaaatg aagccatcat tgatgaactc 360
 tggatattgc ta 372

<210> 9754
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 9754

agctagcttc cttttgatct ctgacacgtc tcttgacttt atttattgtg caacaaagga 60
 tgccaagtat ctcaaagcgg ctaaccaaaa gttgcatgtc atcaagtaat aatccccgga 120
 cgaaattatg gtatgacaga tggctatcaa actcatgggc ggcaactggac ccttccgcgcg 180
 aggcgtccct cctagatctc ttcgtggaaa gttttttcgg agccattttc tgcgaggaca 240
 aacgtttgga gagtgaattt acaaggaaat gtcatttttag agcaaaaatg gcataactaat 300
 cttttcgact tataacaaac ttacgcacat atttccctga agaacaacga ttatgaatgt 360
 gcatacacgc aaaatatctt actatctata tcgatataca aagatattca aaacatttca 420
 actact 426

<210> 9755
 <211> 539
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9755

tttttttng ggcgtaatga tgcattgatac acncacgcga gagatagaat actaagcttc 60
tagccaatgg acttaccttg aattaattcc ttgtcttgct ctcttgagcc tatattcccc 120
tttctttgtt gtgaagctca ttacaagcct taagtgaaaa accatgatat caccttacct 180
ttaaggaatt ctggagcttt ggaattgttt tgggaataag ttgggaataa gtgtgggggg 240
tatgtctcat tggaagatat aatttttggc catgcttaat gttttatatt ggccatgctt 300
gatgtatata tatatatata tatatatata tatatatata tatatatata tatatatata 360
tatatatata tatatatata tatatatatt gtctagttca tgctcgtaat atcacatacg 420
cactgttaaa aaacatgaaa aacaacattc gctngctgtg tattctcaca ttgtactgt 480
gcataaaaaa caaagtgag tggttatatgt gatgttctgt atgacgatct acttcgacg 539

<210> 9756

<211> 258

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9756

gcttgttaact aatactntac cagtaacagt tggtatataa caaatgacaa caaacacata 60
tttagcttca gttgttggtg aagcgattga gttttgtttc ttgctttccc gagatattat 120
ataaggtcca atgtaatggc atccaccact tgtgcttttt tcttcaactg tgtctcctgc 180
ataagcaaca tcatagtatt ctattaccct agaactctga tctatcttat aacataaact 240
ctggttaatg gtgcctac 258

<210> 9757

<211> 392

<212> DNA

<213> Glycine max

<400> 9757

tgactattca ctacattatc ttccttctaa attgtgtgtg tgctacatg aggcaaagga 60
ggctattcga cgcttgaagc atatacttga tgctctactt gattgtacat gttcgtttga 120
agacatacac cttgatgaca aaacgcatac ctgcgcacga aatggtcacg aacaacactc 180
tcaacttgat gaatataaaa caaatatgga tccttcaaca gagcgcagaa cttcaagata 240

ttatcttctt gataatatca tcagtgcacat ctcaaaagg gtaacaactt gacactctct 300
cgaagatgca tgcaataata tggcttttgt ttctctaatt gaacctacaa gtttacatga 360
ggccataatt gatgaactct tggatattgc ta 392

<210> 9758
<211> 312
<212> DNA
<213> Glycine max
<400> 9758

ggaaccacat gtctaagtga aagaataatg attggcgaac tcctcttacc accaaacacc 60
tcattaatgt ctattatatt tatctgcctc tctcttgcca ttatagatca catgactgat 120
cgtacttaca cctttcttta tgtctctcac tagttgacca tagtcaaagt tggggttatt 180
gtccaccata atcttttgcg gagtgaaatt acttgaatgg ctaacctcca tttcagcatc 240
atcaagatat ccaacagtca actttgcaat gtcaaccagg aatggatcat ccatagagct 300
atgttttgat ga 312

<210> 9759
<211> 591
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9759

tttctacctt cacatttgcc ncaccatctc tacacttttg ttcatannn cnnntccccg 60
ggtttgatga tcatctcgtc cggatcttan aacgactgca gctgcaacta acttggttaag 120
agaaaaataa atcttactta tcaacctaac aatattggcc aagctggatc tatactatat 180
tccatatagg aacgtttctc tatcaccaca atactctaaa tattagtaaa tcacatactc 240
gtagecgcta catctagttc tatatcaaaa tgaacaatcc tctttcgaaa cagctctgat 300
tcaaacgagt tgcacccaan atgttgaacc ataccctcc ctagacctat taaacgctag 360
tatcactatc ataatactt ccgctgatac atttaccctc cggcccaata attcttacac 420
ggaaacttaa aactattttc gtcaacgcac gaagccccac tgtctgggt tcattccaac 480
aggtctggaa tacccttcac aatcagggtc tagacggcca cattcaacta taaagagtcg 540

ccggaaacac aataaacttc ccagacttac taaccccgcc ttccgacttc c 591

<210> 9760
<211> 81
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9760

actaagcttg acaatatggg aattgaggaa tcaattgttg agggattcac atccangcat 60

gtatgagtgg gaagtttcca t 81

<210> 9761
<211> 453
<212> DNA
<213> Glycine max

<400> 9761

acttaattca ccctccttct taagttattg aggtcactta tccaacaaaa gatgctagta 60

tatgggtcct gtgcttttta ggcccaatga tatgacctaa tagtgatagt tggccgactc 120

tattataaaa gtccctttca cagcacgtat ttgactataa tacccttgta cctattcttc 180

ttaatgttaa acctgtcat taactcaatg gatcctcttg taggcattct ttctccagca 240

aatttgaaga gcggatcatc gtggggctaa agtattgatt caggatgctc tatctgctta 300

aatgtactcc aaaataagat atccaccgag cttccttaat gaatgagggt tttccatacc 360

aagtagttgt ttgataaatc tggatttgag tgtattttgg tgtgaagttt catgtcatat 420

tcatgcattt taatatattt tatttaataa atc 453

<210> 9762
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9762

tatcacagac tcatctatga aggagaactc tagttttcag gaccaattac tttatttcaa 60

gggtcgtcta ttcaatacct gatcatagct tcaagtctag aacattaac aagggtttat 120

gtgaaatcta tgtcttcttg tgggttaaag ccttgagcta ctaacatagc tttgttcctt 180

actaccttat cttgttcac ccaatttattt ctaaagtccc atcttggtcc caagatgctt 240
 ttgttctcag gcttgngaac aagcatcttg acatcatttc cagtgaacta gtggagttct 300
 tcttccattg caataatcca attattatat gtgattattt catttatcat cttacgttct 360
 atttcaaaca tganagcata agacataaga tctttaaaat gatgatctgg ttttgactcc 420
 ttcagtctga tcttcaataa tctgatct 448

<210> 9763
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9763

agcttgtgta ggatcaccga tcttggttcg tttggactcc taacaagtct gagcaagcgg 60
 aaatgggtnt tgttgattat gaggtatatt ttgtgctctc tatttgattg ttggattggt 120
 gttcatgtca tttattgatt atatagttcg catatttcag ggtgatcaaa ttcattgtat 180
 ttgtaaatcg gaccacctca agtcttggaa agctgatttg aaagagaatt gcacttatgt 240
 tatgcataat ttcaaagttg ttaagaatga tggccaattt agagtgtgcg aacatgagta 300
 caagttattt ttattggagt gacagttggt agagaagctg atttcatgaa ctgcttttaa 360
 gaattagatt tgtgaattgc aatggtgtgc t 391

<210> 9764
 <211> 484
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9764

ngcatacaag attctncttg cttgacactt cataaccttc tggttgggtt atatagatgt 60
 cttnctctaa atccccatgc aagaatgcag ttttaacatc taactgctcc aagtgaagat 120
 tctctgcagc tattatgctc agaataactc tgatggtagt catctttaca actggagaga 180
 agatctctgt gaaatcaatt ccttgtttct gctgaaaccc ttttaccaca agtctcgcct 240
 tgtatcttct tctaccgtta gattcttctt ttagcctata gaccaccta ttctgtaacg 300
 ctttctttcc ttctggcaat ntagttaaag accacgtctt attcttctga agggatgtca 360

tctcatcttt catcgctagc tcccactcaa taatgtcatt cccctgtgta gcctcaactga 420
aacatcttgg ctcaccagca tcagttaaca acaaataatg caatgaacgt gaatacctat 480
ctgg 484

<210> 9765
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9765

caagctatac aaatngaacn tatactttgc tnatccaata agattagatt tatatacttg 60
ctagatgcat agtctattaa aaagtaatat tacacgaagt tttggattat tgaatntagt 120
ctcgtagcag tttattatctt attataaatt gaaaatcctt tttgaacact ttgtttaatc 180
gggttgact agttattgaa ctaaccatta ctgacctat ntaatgtagt atacatctca 240
tatcatctca ctgataatat ttctctctgc accataatct caacatggaa tcaaagaagt 300
atatcagtc aacgcatgatg cctcattttg ctgtgttttc tctccagcag tgtttggaat 360
agctcttaca ttcagtgggt tatgaagcca atactaaagt aagaaaagt 410

<210> 9766
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9766

tatgttgcta acttgaattc aggggtcagg atgataaaag gctttcttaa tcgcatttga 60
gaacaaatct caagattntt atgaatttat tgagcatttt gcactcagca tattgatgtt 120
tattgaacac tgaaatcaca ctgtgtgttc cagacacaaa agtccccttt agagagtatc 180
ctcttttggg gataaatgta tgttcgatg ctaatctatt atgttatcaa ttttggtaaa 240
aaattattct ttattttatt tattattttg ttaaattggt aatttgatta gtccttgatt 300
aaaattagaa acttggtatc atggtataga ttatgataat gagaaataag ttttataatt 360
ctaactctaa ttattcttga gataactcta tgatataatt aagacttgag aattaaatga 420
aagaagaaaa aaaatttctt aagtcattca ttgattaagt ataatggtgt taattattat 480

<210> 9767
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9767

taagccaacc cctnttctca tacaaaacat gttgatgttt tactctatca atcaccaaca 60
 agttgaaacc taactatatg caatgattaa gaaaaacaaa gaaaaagagc agggttgcct 120
 cccagtaagc gcttctttaa cgtcactagt ttgacgcata ttacctcaaa ggtcttgtaa 180
 ctacagaatg gtggttaatc tctcaatgtt cccaccttga tacaacttca acctctgacc 240
 atttactatc catgttctgc ttggagtttc tgattgcgga ttaaataatt ccactgctcc 300
 atatggcttg acttccttga tgggtgaatgg tccagaccat ttagactcta tcttgcttgg 360
 aaacaacttc aatcttgagt tgaacaacaa cacttgttat cttggcctag agtccttctt 420
 tagcagcttc ttgtcatgat aagccttcac tttttctctg tacaatctta aagactcgta 480
 tgca 484

<210> 9768
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9768

actctattaa aattagtttg gtgatgtttt tgtgtggtga tgatgaccgt taggatgaca 60
 atggtggtga tgacgttgat gggtgtagtg gtgtcgatcg cggcggtgct aatggtgatg 120
 atgatagtga cattggtgga agtggtgatt gtgacaggaa tgttttcttt ttaaaaatta 180
 aaaaccaa atcttacattt ataattgatt ntgaaattga atataaaagt ttttgaaatt 240
 gagttaaaga ttgtttcatt aacatttttag ttaaaccacgt tttattttta aaactacatt 300
 aaaaaaaaa catacaatca ctcaaaatgt acccttaaac attaaatttt actcaggata 360
 taaaacctct actttttctt ttcaaacttc aacctcactt tatataagaa tattcagata 420
 ttgtcatatt tccactgaac ttgtagattc taaaatgtaa atatata 467

<210> 9769

<211> 493
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9769

ntgaagagag aagatatgaa caacttatgt gaatcattct ttctatttaa agctctntgt 60
 aaaactttgt atagatacta agctcttaga ataccttgca aaccttgaga gaaaagacta 120
 aagtgatgag tgatatattt gtttctaaga caattacata ttagtcattg tgcagagtgc 180
 caacaaatat ttttttgatt tgtttagaac caacagtggt ttggtaggaa aaagaatatt 240
 aggttaatta aagcttgcca tagagcttat ctttgtaaga tccagaagtg gcaatgaaga 300
 atacttgtaa cttttgtaa gttagtgaac acttggtggg ttgttaatgt gacatcctag 360
 aatttctacc cggcaatttg taagcggtac attntaaata atcatatata tatatatata 420
 tatatatata tatatatata tatatatata tatatatata ttcttggtag aagtatgtac 480
 attgcgggag aag 493

<210> 9770
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9770

cactctntgt accaccaagt tcctaacttg atcactttta aagtcctgct gagtgagtat 60
 aaagtgactt gcaacaattt ggtgagtaat taaacactca tctgtatgtn caaatttaaa 120
 atcatatata tatctaagat gaatttaatg ttaattntag aatgtgtcga gtaccatgta 180
 ctcatattat aaagccgtat gtttcaccta tctgaatttg gatgggatta cagagtgcaa 240
 gattgtttat aataattgga ggaagactac aaaaattgga aatagatgaa gcacttttgc 300
 acaatcataa aatctgcaag ctgggtatttg agttctcaga tacaacttct aacattttta 360
 ttntggaatt gtttgtaatt aaattacatt atattatact attatctgta aatncttggt 420
 atatgtactc t 431

<210> 9771
 <211> 487
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9771

ntaaccttga gctagcgtat actagtgcca aagaatggta tggtaggata gctgcatata 60
gctgatgctg catagcgtgg atcttaggct gcattgcttg ggaaaacatt ggtgagatta 120
tttggttga tgtgcttgag ggaaataaac tgaagctctc atagttattg gtactccagt 180
ttagattgct ttattaaaa ctctctaag tctttcccta ttttaaaga caaaataatt 240
cctgattttt aatattactt tattagttaa tttgtgacat agcctcatag ctgaataat 300
taatggaatt tataaatgct catcttatta aaatacagcc tanatattca gatattatta 360
attgttagta actcttacat gaaccctatt ggctattatt aaatttgacg cattcatttt 420
tattcttata aagtgatatc atactccctt gcttcatgac atgtgtatct tctatatata 480
tacatgc 487

<210> 9772

<211> 167

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9772

ttatgtgtga acttttacgc acttgatca tattgaaat cattgtcaaa acttaataaa 60
tgaagttggc tttagccatg ttataactat cgaacaaatt gacattaatc agcatttaat 120
cagtgccttg gtggaaaagt ggagaccga nactcacacg tttattt 167

<210> 9773

<211> 463

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9773

cttatecang gctcatctnn ggtggtgaag ctcttctttc atggcttatt cccgagtgga 60
tggaaccttc tctcaacttt tcttctttgt ctttccctgc atcttcattg tggaaaaata 120
acattaaaag gacttatttg agctcaagat cagccttcat aaaagcccca caagcaagct 180
tccatcaagt ggtatcggag cacaagagct tcaagtaggt gctccttana ccctcattaa 240

ttnttttttg gcttaccttc tcttccatgg ggtgttcttc attntatcca tgtatctctt 300
 cacatgtctt gtgctanatg ttgtaacatg attctttata attcactgat gatcttgtat 360
 aaaagctgat tatntttatg gtcannattc tgtcatgtct tgaccatgag tgtgttagtt 420
 aggtccttga gtttgcttgt atttttgtgc tgaacttaac can 463

<210> 9774
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 9774

acacatatac tgcaatcgag taccatatct atatttcaga aaatattctc aacogtcaca 60
 tctttatatg tggatcttga ctggctatca aaggcctata tatatgtgac ttgagacacg 120
 aatgtgctaa cagttctttg gatcacatac gtcttatact cttaaacagc aaaatcgttt 180
 tatcctctta caaatacctt ggccgaaata cttgtgattc aataaagaat tatttgagtg 240
 ctcaaattgt tcaatctatc tctttcaaga gagatctctt cttttcttct tcttcattct 300
 gaaaagggat taagagaccg acggtctctc gttgtgaaag aattctaaac acaaacgaag 360
 ggtcgtcctt gtgtgtctag aacttgtaaa aggaatttac 400

<210> 9775
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9775

aatgggttat gttagcttat taagcactta ttaaactttt cacactgggt tatnttgata 60
 tgtttcatgt accaacttaa taataaataag ttctcttttt aaactaaaaa gggtcgtaag 120
 tcattttgta aacttaacca aacagttact ctattgccta tatgataaaa tatacccaat 180
 aagtgtgaat taatttgggt cagcgttctt taaattgact ttatagtaga gtgatttgta 240
 tataaatgtt tttattctaa aagtaaatta acatcaaatt ttaatatata ctcttta 297

<210> 9776
 <211> 120
 <212> DNA

<213> Glycine max

<400> 9776

aactcgcatt cagctggcgt gtccaaatac caacgagaag ttataatgag tatttgctca 60

tgacgacagt catactactt aaatatctct cgcaagcgta gacattacta catagccact 120

<210> 9777

<211> 166

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9777

acctcctaga ctattcatat gcattcggca tataattctc acatgctctc taccatagag 60

tggcttttga acacctgagc ctcacatcag tgctcctgac ctacacatta actttcttnt 120

cgctcacctt ctgtctcatc gatgacatta atgcgaatac atgaac 166

<210> 9778

<211> 470

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9778

agctnntata attgaattaa aacgttcaga atcttctggt aatcgattac catatatgtg 60

taatcgatta cacagggcaa attttgaatt gaaattttta tagctgtttg taaatcagtt 120

ctggccactg gtaatcgatt acatcctctg gtgategatt accagagagt aaatttcttg 180

tgaaagactt tttaacttaa aattcttggc caaacctttt gctacttcaa ttggaattcc 240

cttcttattt aatataccct ttctaagact ctatagacag tcttgatcat ccatctcgaa 300

tatctctcaa ttctttgtct tgaatgaagc ttgagacgc atgtgatctt ttggcatcat 360

caaaacatcg gcttgatcct ttagctacaa tccccccctt gtgatgatga caatccttga 420

atcaagacaa actatgtact agatgattat gcgttcacac aatccttact 470

<210> 9779

<211> 266

<212> DNA

<213> Glycine max

<400> 9779

gcttataatg tatcgctacg ctcgaaatta aacatccgaa actctttata tattcaaattg 60
gtcataacgc tcctcacgga tgtccgatgc cggcgcataa tatgtcgaga ggctcaaata 120
ttaacaacgg aagctcttga gaatttaaaa tggccctaac cttgtaacct cgatgtccaa 180
ctcacgctaa tagtatatcg agccacttaa cattaaacat gtgcaacttt cacgaacatt 240
aatgggttat aacttttcac accgat 266

<210> 9780

<211> 455

<212> DNA

<213> Glycine max

<400> 9780

tcaacatcag accacttcac aggtgctgga actattttat atggatctga tggggcctat 60
gcacgttgaa agccttgag gaaagaggta tgcctatggt gttgcggatg atttctccac 120
atttacctga gtcaacttta tcacagagaa atcagagacc tttgaagtat tccaagagtt 180
gagtctaaga ctacaaagag aaaacgactg tgatcatcaag agaatcatga gtgaccatgg 240
cagagagtct gaaaacagca cgttcactga attctgcaca tctgaaggca tcatcatga 300
gttctctgca gccattacac cacaacagaa tggcatagtt gaaaggaaaa acacgacttt 360
gcaagacgct gctatgggtca tgcttcatgc caaagaactt ctctattatc tcttggtgta 420
agccatgaac acagcatgct acatccacaa cagag 455

<210> 9781

<211> 421

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9781

tgattaatac ttgtaactng ntgaagtttag tggaatttgg tgggttacca agaattggac 60
gtggtcttag tgggtgagac gaaccagtat aacttcatgt gtcttatctt acttggtttt 120
ctttttcgtg ctttaaaactg actcagagtt tgaatttgat ttttgctttt gaaaatttgt 180
atctgttcta caaaatctaa ggctatcatc tgaatcgttt tgtgaaaatn tgatctctat 240
tcttttacgt ttttattatt agacgataat gttgttgttt tagaaaaagg ctttaaaatt 300

<210> 9784
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9784

ggctcttcgcc agtgaaagga tcgatgtgga tcttatnttt aaaggcaa at ctgatcatcc 60
 tactaggacg actgagaaaa ctggggcaaa taaagagggg gaggataatg gagaaaccca 120
 tggtgtgact gccattcctg tacgaccaag tttcccacca acccaacaat atctttactc 180
 agccaataac gaacctttct cttacccacc acccaggtat ccacaaaggc catccctaaa 240
 tctaccacaa agtctgtcta ccgcacttcc aatgactaac accaccttta gcacaaacca 300
 aaaacaccaa ccaagaagtg aattttgcag cgagaaagcc tgtagaattc accccaattc 360
 cagtgtccta tgctgacttg ctcccatatc tacttgataa ttcaatggta gccataaccc 420
 tagccaacgt tcatcaacct ccacttttct gacgatacga ctogaacgca acgtgtgctt 480
 at 482

<210> 9785
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9785

cttctatntt gtgctttag acacaaactc tgctcatcga gggagaacag atcctataac 60
 ctctgccgc ggctacatca cccgtgagct gacgctttct agatccacgg accaacttct 120
 acatattgac ttgctacctc ccaatgaagg gaattacctt ttatcgaacg agtgagacag 180
 ttgcactatt acatagacca aaattcagac tcgacgctag acataaccat ggccaacaga 240
 gagcgaattc ttgaggacct atcacatagt ttcgataggg gctgctcctg aacgtaccgt 300
 gcaacctaca tctgataagc tactatatgg ctatgtgcag aacgatcctg acgtgcgaga 360
 aacaggactt tgtttgctta gcgaatattg ctaactagaa aagcgaccag cattatgttc 420
 tctctcgagc tcatgattac ccctcgtgaa cagaaaccac atcctn 466

<210> 9786
 <211> 66
 <212> DNA
 <213> Glycine max

<400> 9786

aaaccttcat ttttctttct tcttatccga atcacctctc gctgaggcca atctgcctgt 60
 ttatcc 66

<210> 9787
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9787

agcttaaaca ttatactntg agcgtctcga tatattactg gactcaatca gacatctgag 60
 taaaaagtta ttgccgcttg aattggctca aaggttcaaa attcaatttc gagcgtctcg 120
 atatatttcg ggactcaatc agacatccga gtaaagagtt attgtccttt gagttggctc 180
 agagggtgaa cattcaattt cgagcgtccc gatataattac gtcactgaat cggacatccg 240
 agtaaaaagt tattgttcgt tgaatttgct ctgagcttca acattcaatt tcgagcgtct 300
 cgatatatta cgggactcaa tcagatatcc gagaaaaaag ttattgtcgt ttgaattaga 360
 tcatatgttc aacattca 378

<210> 9788
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9788

tactaagctt aagccaatta tacgacaata actntttact cggatgtctg attgatgtcc 60
 gtaatataac gaaacgctcg aaattgaatg ttttaagcttt gagcccatc taacgataat 120
 aactntttac tcggatgtcc gattgagtct cgtaatatat cgacacgctc gaaatngaatt 180
 gttgaagctc ttagcctatt taaacgacaa taacgtttta ctccgatgtc cgattgagtg 240
 acgtaatatata tcgagacgct cgacaatgaa tgttgaacct ctgagccaac tcaaacgaca 300
 ataactntnt actcggatgt cctgatgagt cccgtaatat atcgagacgc tcgaaattga 360

atgttgaacc tctgagccaa ttcaaacgac aataactttt tactcggatg tctgattgag 420
tcccgtaata tatcgaga 438

<210> 9789
<211> 387
<212> DNA
<213> Glycine max

<400> 9789

tcgacctcta tattttcttat ccaagtcctt attactacta atagacaaac cttcaggtgg 60
ttgcacgtat attatctcac tcaaatcacc attcagaaaa gctatcttca cattcatttg 120
gtgcaactgc aaatcaatat gagctactag ggccataatg attctaaagg aatcattcgt 180
tgatacaaga gacaaagtct ctttaaagtc aacactctcc ttctgcataa aaccctttta 240
caccagtcta gccttgaata tctcaatggt accatataag cacttctctt cttgaagacc 300
catctccaat tgattgcctt caaattctag gtaattcaac tagcttccat atgccattaa 360
ctgacatata ttgcatctct tcattca 387

<210> 9790
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9790

tatgcctaag ctaattataa cttgtgaaga agttcatttc atttcttctt attttcttct 60
tatacttcac tgttacgtat cagtgaagta ttcaagagta ttggtattgg atagggcatgg 120
atatggatac atgaagcaaa tgtgcttcat agtatggat agactaaaac gctattgtta 180
acattcatca attcataatt ctttaaactt ggatgtttta taatttgagg tccttgattc 240
tctatatcat tnttttttgg gtggaactcg ggtgattcta atatactata gtttctctgt 300
tttaatagtc cacaacatgt aagtttttga aagcatccgt aactcatgat attggtagtg 360
gtgtttctaa tctgtgctca tgggcacatg ttaagaacac anaaataaag ttaattagaa 420
gcattaatag gatacattta attnttctta acatgtgcca tcgaaacac 469

<210> 9791

<211> 469
 <212> DNA
 <213> Glycine max

<400> 9791

gtcacctgcy gcatgcaagc ttcataaatt caatatataa catattatct gaatcgatat 60
 gatggtgaca gggcgagtaa cccatataaa caaatattgt ggttcaaaat tctagcttgt 120
 gagattgata tgggtctaaga aaaggataac aagcacaaga aaatactttt atgaatgtgt 180
 aatcaggcgt tatctaaagc aaaaaatgat atggagtatc aaatttgatt gtcagactca 240
 gtagatatct aaacctaaat atgacataag aaacagtcag cacagagata aattccaaca 300
 aaagtaacat acgagcatgg atcaatatga ttatgatttg tgaacaaata gggaaagttt 360
 tgaattctaa tatacattgc gacaaaaatg attctagtgg ccacaaaata catgataatc 420
 aacttttatt ggatcaagac agaataatac attcaaaacc acatatacct 469

<210> 9792
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9792

tcatgatgaa tcaagaatga tttaatgatc acaaagatgt atgactttta gctcanaagt 60
 caagaacact tcatgataac aaagataatg atctcaagaa tcaaagaatg agttcaagat 120
 tgaatcaaga acacttcaag gttcaaaagg aaatttgatt tctagaatca agaatcaagt 180
 ttcaagattc aagttccaag aatcaaaatc aagattcaag aatcaagaga aggtcaatc 240
 aagataagta ttaaaaagtt cttttaaaaa ctgagtagca catgaatttt tctcataacc 300
 ttttatcaaa gagttcttac tctctggtta tcgattacca gattattgta atcaattacc 360
 agtagcaaaa tggttctcaa aaagctttca actgaattta caacgttcca attgatctca 420
 aaatgctgta atcgattaca atgatttggg aatcgattac cagtgtgttt gaa 473

<210> 9793
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9793

agctntacag atttgggtctt cgccagagaa atgatcgaag tgggtctgaa aagaggcaaa 60
tttaatcatc ctgcttgggc gaatgagaaa actggggcaa atgaagaagg tgaggatgag 120
ggagaaaccc atgctgtgac tgccattcct atacggccaa gtttccaacc aaccaacaa 180
tgtcattact tagccaataa caaacctct cttaccac caccagtta tccacaaagg 240
ccatccctaa atcaaccaca aagcctgtct accgcacttc caatgacgaa taccactttt 300
agcacagacc aaaacaccaa ccaagaaatg aattttgcag cgaanaatcc tgtaggttca 360
cccanattc cgatgtcata tgctaaactt actcccatat ctacttaata 410

<210> 9794

<211> 391

<212> DNA

<213> Glycine max

<400> 9794

tctagacaaa cttaaacgaa acttcgtact tagatccctc ttagtggact aggctcatct 60
gaatcaactt acgaacgtgt agactaagtg cacctaagct tgatcttcac atccctcctg 120
ttggactaga cttacactaa acaacattat catcacagca tattaagaaa actaagactt 180
agtcctcata tccctcttgt tggactgagg aacaatcctg cttctatcaa gctctaaggc 240
aacagtacat ataccactgc taaagtcacc taaccatgca caccaatggg tgatcagacc 300
aggagcgtac aaaatttaat cactgcatga ggcttgatc acaatacaca caatcaatta 360
gatattaacg gaattacatc agttgttctt t 391

<210> 9795

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9795

agcttntgta tgcntttcat tctttatttc atgcttcagg tgcaaacagg agtaaacaaa 60
gaagcaatta atatattaaa caatagagtc agctactatg aaaaattata tattaattag 120
ttcagctaag cggacacaaa gtaagagaaa aaatctttca ctattaacta atgacctcgg 180
ttgtgcacga ccggggacaa tgtacaatta ctcaaatttc aaattctctt ttgtatataa 240

agtatcacat caaaagtcaa aaccatcagc cattatcaac tcttgtggga tttcgtgact 300
 tggcaacgta ggaggaacac aaacacaaca cagccatgaa tgcaaaccctt ctcagaaact 360
 tgtccttcca cgcgcgcgct cttcgcttct ctcccactcc tacagttaca gcacca 417

<210> 9796
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 9796

cggcatatag gggaagcagt tgttccaaga gcactcatgt attcttgtaa ggatattgtg 60
 aagtttaata aggaggtttt tggtagcgta ttggggagga agaaggagat tgaatggcgc 120
 cttaagggtta cactgccttt tttcatgcc acacagtcac tcacgaaag cggaatcgta 180
 ttcatggaat gcttgtgtta tgtggaagct ggtgcactga tgcccaaata cttaagcaag 240
 aagcattgaa gtacttttag tcgttggttt gcacaacgga agcgataagt ggagagctac 300
 tgggtgcgaa tgtgaacaaa ttgccacatg aagcacgatt gaggctcatt gaacctgtga 360
 cgaatagcga actatatgag acactcatgt ccatgagatc atactgtggg agatgatgtg 420
 t 421

<210> 9797
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9797

agcaagcttt gttntcaatt tcgaccatct cgattattac cagactcatc cggacttccg 60
 tatataaact tattgtcaat taaatcttct cagagctttg gatcaaaatt ttgagcgtct 120
 cgatatatca cgggattcat tcagacatcc gagtaaaaaa ttattgtcgt tagaatttga 180
 tacgagcttc cgttttcaat atggagcatc tctcgctaaa ttgcatagg ctatctggca 240
 tacgagaaaa aagatattgt cggttcatat ttctaagagt gtcccttttc aatttgagac 300
 gtctgaatat atgactggac tcaaccggac atctcgtgta tgaagctatt gtcactctaa 360
 tttgctcaca gcttctactc tcaattgtga gcgctcatta tattaccga ttca 414

<210> 9798
 <211> 266
 <212> DNA
 <213> Glycine max

<400> 9798

atacacggat gtctgttga gtcccgtgaag atatacgagac gctcaaaatt tatatccgaa 60
 gctctgagaa aattgaattg acaataacta tatacacgga tgtccggttg agtcctgcta 120
 tatatccaga cgctgcacaa tgaaaacgaa agctcgtagg aaatacaaac gacaatgact 180
 atttactccg atgttccatt gaactcggtc atatatgaag acgatcaata ctgagactac 240
 gaagcgttcc tcaaattgaa atgaca 266

<210> 9799
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9799

agcttcacct tctggctctc ctcatagctg ttgcatgaga taacatgctc tattntcatc 60
 gccactcca agtaggcctc cggatcattc tttcctttaa atggaggaat gttgagttta 120
 ataccatcaa ttcgggttttg tctaggaaca ccatcattcc ctcttctctc cttttcttct 180
 tcattatgat ctctattctc cattngattc aacctctcat ggagcgcac atctcgttgt 240
 ttcattaacc tctccaaatg ttacatcaaa gcttgcatth ggaattgcta aagccccact 300
 ccatcattaa gattagtacc tgacatctca cacaacaaaa tcaaacgcaa caagacaatt 360
 atagtttgtg tttgaatacc tcaccactc aagtgtatca cacaattatg gcttttctct 420
 aatgaaacac tcttaccttc taccactcgt agtccccttg agttc 465

<210> 9800
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9800

tcttatccaa ggctcatctt ggtggtgaag ctcttcttc catggcttat tccctagtgg 60

atggcgccctc ccttctcctc ttctcctttg ccttccgctg catctccatg gtgaataatc 120
accattgaag gacctcattg aagctcanag atccagcctc catagaagct ccacaagcaa 180
gcttccatca attaagatca cattgtatgt aatttccatg ccgcttatcc atanttgatc 240
tatgtcatcg agtatgagta acagtgatga tcattgtggc ttagtcaagc taaattatga 300
tgaanactgc cgtgggtttcc tgttgctata tgagatggac cacaatgtat aaaaggagtc 360
taaaagtaaa taacgtacgg ttgcgcgcct aaagaattat gtgatataaa tgtct 415

<210> 9801
<211> 343
<212> DNA
<213> Glycine max

<400> 9801

tgagaataaa taaacatcaa tggatgatgaa gaataaataa tattagttga tttaactatt 60
ttacagttaa taatctcaat tgttgataag aaaatcaatg acgtgcatgc ataacaaatc 120
atgtctaaga tgaaatacca acgctaattt tggttttata tatatattag caactgaaat 180
tacttattct attctttgaa cagaagaatc ataatattgg tataagattt acaggttttt 240
ttttaagat atgttctaca gtttacaaca ggaggggaaa tcacaattac caaatgaaga 300
aaaaaggcca aactgattga tctctgtgta ctgaattcaa ctc 343

<210> 9802
<211> 412
<212> DNA
<213> Glycine max

<400> 9802

tatgctctgc atatgcaatt tgtatactta tatgcggggt acataaaagc agattgctgg 60
ttgctgtata tgttggggtc gtttgaagtt atttttaatg tattgactga cgatgaaaga 120
ttaacttata ttcatgcaga tcgatcacgt gcctctctat ggaatttaag ttacttgaat 180
aaaaatatct tgtaagcatt attccaaatt tactaatgca aaaagagacg tgtatgggac 240
gtgcgcacga atgtgtcaag acgaagatac cagtctttca gttgcactta gtcaatctca 300
cataatttat tacgacatct gatgaaacac acaaaagatc ttatacttct cagtgtaatc 360
tccctctact ttcttccatt catagtctaa tgtagaaata tttttctatt gt 412

<210> 9803
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9803

agcttctcca tgcctctggg aaccacanag aatagtggta gtcctgtctg cttaaaacaa 60
 aacaagttat atcacagatt atttcaatac ctattccttt atcaaacatt ttagtaaaca 120
 ccataacata atgaaagact agttggaaga cataaagaca ccgtatcacc aattcaaagt 180
 ccagctagag aaccaaaaaa taaaaaataa aaaaccacta tgaatttact cttggaactg 240
 aaaaccacac tgaaactggt ccgcgaaacc ctctgggttca caatcccatt gacactattg 300
 ttgcttttgc tgggtgccccg aatctgcaaa aaaatggtgc cgtatccacc angcccaaaa 360
 ggccctacgta cctctaatag gcaacatgaa catcatggag caactcacac atagaggctt 420
 agcaaaactta gcgaagcaat acgacag 447

<210> 9804
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9804

cgctagaatg cnttccaaaa tctaagatac ctatctaaca ctatataggt aggtatgcca 60
 tgaagcttaa gtatctcctt attgtaaatg tctgctaatt tgtccaattt gtatgtctcc 120
 ttaattggta agaagtgagc agacttggtt agcctgtcca caaccaccca tatgacctct 180
 agaccctaac gagtttttgg aaaacttggtt acaaaatccc tagaaattca ttcccatttg 240
 cactcaagaa ctccctagagg ttttaaagtt cttgggtttg aagttgttcc ttcttaatac 300
 actctntaat gtactaccg atctccaatc tattcaactt catgatcaat gcattcaaat 360
 tcaagtcctt aaactcctct atcaagttca tcttttacac catcaagcta gacatgtgca 420
 aagacttctt actgagagga tcagccacta cat 453

<210> 9805
 <211> 413
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9805

gttagtatca tatacgcacaa gttagaatat atttccattg agctggcata tatgtactaa 60
ataaattcat taaggcaaca aaatggaacg gcccacacaa ccacacacat gagctgggtg 120
accaaaccct aagtaaggag tggggcctgt tatagctaca gatgcttgag tcattatgtg 180
ggtatgcttc ctaagaaact ntgttttctt tatatgaata tattaatata ccttccttcc 240
aaccaatgaa atcatgtata aaatcaaact ctgttntgta acatagctac ttaaaagtta 300
aataactatt aattntactt tgttgacaag cctcttgtgt ggcaatttta tttcacaggg 360
gtaacaccnt tttagagaaa gtngataatt aacttcaaca gatggacaac ata 413

<210> 9806

<211> 466

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9806

tgtagaacac caaagatgta agaacaaaat ttgaaagaag tggttatattt gaaacaataa 60
gagctaatat acaatcagat acctgaaagt gataatttat gttgctatga tccctaacaa 120
tgtataatta gtccctgtta gattacattt atctttacat gatcttgtat atattattac 180
acaaaaactt atgattctga ttgatatgta attacctaatt aatcagtaat tgattgatat 240
gtaatcaata ttgattctga tttctccatt ataaataaag atgagatgtg gtcattctaag 300
acacaaaatt acagtaaaac taaaacactg ctatatggta tcaaagctta ggttattctt 360
gacagaggaa taacaaaatt cgtcctccac aacctactgt cccagatgga cctctctgct 420
agtcattcta tccagcaacc tattntcaca tccagaggac ctttct 466

<210> 9807

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9807

tgcataaccc ncacacctac tctattacaa atcaccacaa cccccaacgc cagcgccacc 60

ttcaaccgaa tectcctcct ccctttcttc acatcaatta tataagactt cccatccttc 120
tcacccctcc ttcccttcac tgccgtcaac atatgattct cctgcaaatac aagcacatag 180
ctaaccatcc cactcaacaa tatgtctata aatccaaacc ccaccaacac aaacaatata 240
gagaaaagct tagtggctgt actattggga gtgatatac cgtaccctat tgtgcacatt 300
gtcactatac aaaaatacaa tgcatacaat ataggatgag tctcagtagc tgtaaaatta 360
tgacgattga accaataaat gacaa 385

<210> 9808
<211> 486
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9808

aagcttaata ttatgctatc tttttttggt acatcatcat tttgtttcta atatgcaatc 60
ttattatttt aagagaaata attataatat aaatcatcaa ccaacacgat ccgtgcacac 120
acgggttcacc gactagttaa tcatcaatgg caataacaat gacacctccc gctctgattt 180
tcttctccga gcgacatgct aaattagaat ttaaataata atgggaatcg gatgcattct 240
tgtttgattc aatgcccacc aaacataatc aacatatcga cagaaaaagg gtaaatggaa 300
tataaatacg agaactgcc aatgctgatgt atatattcat ctacctgtag aacattcgac 360
gacttaaaaa taagcattat caacagaacc cactgttaaac aatgacctc atcaattcat 420
acagcanaca catgaacaag tcaatgggtt ttgactgctc cacantttac actcgctgaa 480
agccat 486

<210> 9809
<211> 386
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9809

agcttatata anaatcataa aattaatttc atgactcaca ccatacaagg tttataattg 60
taatgatatg ctctaaattt cctcaataat gttgacgaaa catttgatg aaggccacag 120
atattacatt gagtgggaag tacacgttgt tctcctttgt taaaggagaa gaagtttcac 180

ctttcttatac cttgaattga tcttcacagg tatgggtctan gcagttccaa agtatgcaca 240
cattttatcc atatatatgc tctttctact ttgcaattaa ttgaataaag cccaagatct 300
aaactacaaa tatgaggctg actgaaaaat tacaattaac ccagtgtgt ccagtcacca 360
tttgaaattc ctttaattttg cccct 386

<210> 9810
<211> 437
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9810

cgtaatgtat atgttacaat gttcttaaat ttctaanaag tctttaagat caacctgttt 60
acgtaagatt tctcagaaag acttctaaca aaataagaaa agaaaagttt ctcataatta 120
ctcttataaa ccagctaatag atagaagctc tttcatatta gtttttttca taagatattt 180
ttagattatg tataaactag cattaactta tagaaaagtt tatttaattt ttctcttttt 240
gttttctttg tttagtagta cttctaaata catttatcca gatagacct taatattaat 300
atatatcaac aatacttaga atcttatgag actgagcacg attattgtac gcaagtagta 360
tttgactcct acggttctct atttgatctc ttgcaatctg agctaacatg accgtggagt 420
aaatattccg aaatgac 437

<210> 9811
<211> 345
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9811

agcttaaccg cgagagaatg atcgtaacac ccaatgactt cgtgcagcgc gagcttcttg 60
agctctgtt cggggccatt tcccgtagc cagcctcgga agacccttt gtcgaggaga 120
taggcgatgc gcttcatggt ggcttggcgc tgggtctcca tgggctggtt gtagtcgggg 180
cagacgaaga atcttccggc gcggtggcgc cgattgaaga gggggtctg gacgataatg 240
gagaagagcc agtcgcggtc ctcaagggtt tggcagtcga tcagttntcg catctcgga 300
gtgtcgaaag agatggtgtt ggagagctcc ggcggggagt agctc 345

<210> 9812
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9812

tcatcactaa acatggacat gaatngttca tcatcgaacc tctctaactc gttgttgccg 60
 ccgccaccac caacaacact gccacctttg caatgatggg ggtccagcaa tgggtgcctat 120
 attatagtga cggagtcgct caccgaccgc cgggggggcc cgcgccctgc cactgagaac 180
 tcaagaatct catccacca tgaagggttt tggtttgatg acgtggtctg gagggaaggc 240
 atcttttggg gaagagaaga aaagtctggc caattgctg tcatgtttgg aataattggg 300
 ggcaattgag ccactctttg agtcacacca attaataaac acactctaac aagaagatga 360
 caagatgaag atgaagaaga agaataagaa tgaatgagag agaaagagag aactatatat 420
 attaaccaaa cacacaactt ggtatatatn ttttcgatat ctaagcatat atatacctcg 480
 tatgctgtgtg atatat 496

<210> 9813
 <211> 255
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9813

ggatccttaa gtcacctgcn gcatgcaagc ttagcacaca gagttttag cccaggcctg 60
 tgtgacggtg ttgactgngc caacattaac cgcaccgttt gatcgaatat attggatgtg 120
 tttgattaaa tgtgtacgga tgaattttct taaacataat ttttaagtga actaatcctg 180
 attaaagatt aatgactgtc attatatcta catcatttta ttacagttca gttacgagaa 240
 tgaatataat tcaat 255

<210> 9814
 <211> 488
 <212> DNA
 <213> Glycine max

<400> 9814

ctaagcttag atttgaaaga gttttagaaa ttacgaaact gttgttaaag gaaaggagaa 60
tagagtataa gtatgactgc aagtcacatc cataggcctt atagtttttc ccagagaaag 120
tcttatgtcc attatgcaaa tgttctgtca aacaagtggg ttcgatctgg gaacgaggga 180
actagttcac tttctaaaga atttgaagtt aatagtttag aacttcaaag aggaggaact 240
actaaatggt ccaaaaaggg attctatgac taccagaatc ctccataggt gaataagaac 300
atgttgaaaa cccaataaag gaggcacatc atgttgaaga gggatgcaat attggcaatg 360
caacaaaaga gtggagtttag accaataacc gaacgtccac ccctacgttt cataaagaaa 420
atatcataca aggaagagga gaaggacatt ataactaact cttttgagtt cggttctgat 480
tattcttt 488

<210> 9815
<211> 353
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9815

agctntcaaa taannaattg gtgttaaaaa ggtggtagaa agtggtataa gaatgctcaa 60
taaactgtta tggagagaag tagaaacact taatttatac tagtttagtc aacctaagct 120
acatctagtt ctcttttact cacttgtaaa gggttccact aatcaaaact tgattacaaa 180
acaagtattc taaccttcca ctcttggtt tacaagtatt cttcatacca cttttgttac 240
cttcttatac tccccatgaa tataagaatc aaagtattgt ttaacactaa acactccttg 300
atgcaatcct acccaccaag ggcattggat agaagactct aagaagtttg ggc 353

<210> 9816
<211> 482
<212> DNA
<213> Glycine max
<400> 9816

cgagacttca agatatgaac tccttggtcc tttagacatt tcatgcaagc ttcacttaag 60
gtaaggggga gttttccact tcttgaacct taaccttttt gtctagcaaa atttatgtat 120
aaaacaagtt taaggctctt tgtaggatta aagttacttt ggatatgttg gatcaagtgg 180

cctctgaata attaagaagg ggggttgaat taattattac tgaaccttta ctaattaaaa 240
atgtaccctt cttaggcttt tactataatg ttaagaaagt aaataacaga aatggaaact 300
taacaaaaag taaaagcaat aattaaagtg cacaacggaa aataaagagt gtatggaaga 360
agaagacaaa cacaagagtt ttatactggg tcggcaacaa cccgtgccta cattcagtcc 420
ccaagcgact tgcggctcct gagatttctt ttaaccttgt aaaatccttt acaagcaaga 480
tc 482

<210> 9817
<211> 235
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9817

tccttacgca tctgtgcggg atttcacacc gcatatgggtg cactctcagt acaatctgct 60
ctgatgccgc atagttaagc cagccncgac acccgccaac acccgctgac gcgaacctct 120
tgcggccgca tagaatataa cttcgcatat cgctcgcctt cgaagttctt atcgattaac 180
cccgactctc atcgttctct gttacgtcta taaccgagaa atcgaattcc ctccg 235

<210> 9818
<211> 391
<212> DNA
<213> Glycine max
<400> 9818

agcttatcct tatggctggc ctccggactt cactccccgt gccactccga aagatttaag 60
ccaagcccct acttttgagg ggcaactccc gccttggtgac gactattccg ggcaagacga 120
tgaggaagga gatacccatc tcggccccct gctccacctt aatgatccgt cccacatga 180
actaccccaa ccgaacatag tccgccatat tccggcctca cccacaccg taaaagaatc 240
tgttcccttc gcggaagata agggaaagat agacgcgctt gaagagaggt taagagcagt 300
cgagggcctt ggcaattacc cgttctcgga tttagcggat ttatgtctcg tgcccaatat 360
cgtcattcct gccaaagtta aagtaccgga c 391

<210> 9819
<211> 473

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9819

ntacagcata ttttagtaat gaccactaa cctataatta atataactta atgccattaa 60
cctacggaat taaaaaaaaac ttaatggctg agtgtaactg aaatcgtggc aactaaaagt 120
caccaccaac agccaacaag tcagccacca tttggtctcc caaaaggctg atgcctaggt 180
tgccaattgg gcccttatta caacttgaac taaacctaac taaagccctt ttagttgatt 240
aaccctaaaac atatttttgg tcagccaact ttacaaggat tgggccatta tttagacaaa 300
ctaaacactc taaaattgag acaagggtgt gtcatttaga ctttctacat ttgggccatg 360
atacaactca caaccttggga cttttctcct tgaaacttgn gcttgtattc aaatagtatg 420
gacagcactt gatgaagagc ttccttggct ttccttgctc taacccttgt cat 473

<210> 9820
<211> 495
<212> DNA
<213> Glycine max

<400> 9820

cggcattgtg ctgctatcgt ctcgaccgg atccctaagt gacctgcagc ttgcagcctt 60
gtgtgatcga atacacttat tttgttattt attaccaatg atagtttcct gaataaatca 120
aaagatgtaa ctcttcatat gggttttgac ctctttcaat tggtttttaa tttgtctaaa 180
agtcataacc tttctaattg gtctcttgac cagacatgaa gagtctataa aaaccaagct 240
ttggtttgca tttcaatcat tcattcaatc aagtccatca gtcttataca atccgttaca 300
agccttgaat ctctttaact tcttcttttc tttgtgccac aacttttcaa agtttctagt 360
ttctaaccctt gaaacttggc tattattctt tcattcttct cccttgccaa aagaattcgc 420
gaggactaac acctgaatct tttgagctct ctctccttct caaggacaaa gataccgctg 480
aatcttttgt ctcct 495

<210> 9821
<211> 481
<212> DNA
<213> Glycine max

<400> 9821

cgcttctcct gaatatcaaa tgcattctga gaataagaaa tggacaaata aggattgggt 60
agaagagcac taactaaaat taaattgaat ttgaatttac gaatgtaggc aacattatgc 120
aagagtgagg tattgggttaa gcaaatcgaa ccaatggcaa tgataggtat aacatcattg 180
ttaggaagag tgacgggtttt atcataaaca agttggtaag atcgaaaatg atgaacggaa 240
caagaaatat gaatgttggc accagaatct aaaagccaac aatcatgaag aaaattagaa 300
gtggatgtaa aaaggatcat accactggca gaagacacac cttgagggat gacaacattg 360
gaagcatgac tctctaaaag attcatcaat cggctatatc gttgggcagt aagtcgaaac 420
tgggaacccg agtcaccaga ggaagatggt gagtaagaca tatcaacaga tacttgagca 480
a 481

<210> 9822

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9822

agctntgcag catagtgggt gtgatttgtg agctctgggc atctggtcct gctgatgcaa 60
acggaggcgc tggagtagat ggtgaaggga tgcatctgt tctggccctg gttttccttt 120
ttcttgatgc catctataat gaaaagaatt caaaattcac cttagattac atttattcaa 180
gttgctgaaa ttgacgatgg gcgcttagca ggatacaaca tgcttagcgc gccttcagaa 240
atataacact tccacttagc gcaacagggt gcactttagc caaatcaagg ccctaaaagg 300
tatgcgctaa gtcagcagg gttgcgctta gcgccaccat gaatttcaga aaattcacta 360
agtacgtgag cttagtgagc caggctcgct tagcccat 399

<210> 9823

<211> 315

<212> DNA

<213> Glycine max

<400> 9823

ttaaggacgc tatgacactc caaaggaaga atactaatga atgaacttgc tatcggaact 60
gtagtaattg aagtgactca ataatcatga ctctcaccaa ttaggttgtg attggagtct 120

tactggatta tatgaatgga agttaccaat aacgaatgtg aaagtcaagg ttggctgtat 180
 aaaaaaatat taattagtag catatggtct gtacaaggcg aagacaacat atatattggt 240
 accacacaaa taatattagt atatatacat atatgtaggc gcgccccatca tgcttatgaa 300
 actactaata aacct 315

<210> 9824
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9824

gcttttactc ctgattctnt ggaacttact tatctcctaa ttctttggca tcatcaaaat 60
 aatcttgga gacattgctt ccatagggag tgctacttga gctgccagat ccctccacct 120
 ttgggcgtat tctttgaaag attcatgctc ctttttacac atgttatgca gctgcattct 180
 atccagagcc atatcaaaat tgtactgata ctgcctaata aaggcaacca ttatgtcctt 240
 ccaggaatgg acccggaag attctagatt ggtgtaccag gtgacggctg cccaataag 300
 actttcttgg aagaaatgca tcaagagttt ttcattcttc atgtatgcc ccattttcct 360
 gcagtacatc ttcaagtgat tcttggggca agtagtcccc ttgtacttga cgaaatcttg 420
 caccttgaac t 431

<210> 9825
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9825

ntgtgaatgg catccagaga tgcaccttct aatattcgct ctttggaggt ttcacttcag 60
 gcgaagggtc tcttttgagc ttctcaaaaa gatctttagg gatactatct tgtgtgctct 120
 tcttatcctt gcacttttga agattttgcc aagcttctct tggtttaacc tccattgatg 180
 gacgaacccg ttgttgggtg ccagggtgcaa gccaatgcag tttcatcttg ataacttatg 240
 gttgcacttg acgtgtctat tgtggtagtg gtaaagtagc tatggcatct gttggaagag 300
 tcttgaaggc cttagatggt gtgtgctcat agttatactt ctttcatggt gaggcttgga 360

caatgatggg ttccttctga agagactcaa tggatatgga ctcatggaag gaagattcag 420
atattggatt accaataacg aatgctaaag gaaatctttg agcatttggt aatg 474

<210> 9826
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9826

gctgcagcta tgacaaaaat aatgccccca gatcttttta cataccagat ccattgcaag 60
catggcagaa cccatatatt gncgttgcaa aagggtacaca acaaggattc atcttcttat 120
atgagactct gaaaggcttc gatggcatca ttgaacacct gtgtaataca caaaagtaca 180
acaaagcagt aaacaaatca aggcaataag aaaacaaaat ataatacgat tctgtctcct 240
ttctgattgc attttacagc aagtttgata cacacaacca acaggggaga caacttctta 300
aagaggtcat gacgcttctg catataaaac caaactactg aatgtcggca aaggcatctt 360
tctaagtatt gaatctcacc taaaagagag tcaaataagt accttatgcc acattgtgac 420
caacagacgc aactttct 438

<210> 9827
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9827

agctntaagt tggttggtgc caagtaggta accttttcac catttttacc tgtaaactgt 60
ntgtaaaaaa tttgatttgt aacatgcaat acttacatat aggagcaaaa ggggcagagt 120
tcattgcata tgctttgaaa tacaatacca ccaaatcaat ttgtgcagggt gatgtatttt 180
gtgctattgt ttttgcccaa ttttattttt ctttctttt atatttattt tcatggatct 240
gtatatactt cacatacaga gtgctttggc tgatacaaca agagaccatg tctttaagat 300
gatcgaaaag gaaatcaaca tcttccaata gaaaccgcta caacagttgc atattcttct 360
attgaactat tggatgatac agttgaccca caagagttaa cctattaagt ttattgttat 420
cattgctggg atagtttcct aaactaaagg catcatgt 458

<210> 9828
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9828

gctttgtctc ccaggaatct aaagaataaa natgagaaat attgtgtag tggtgattat 60
 tcagtaataa ggacactaat acatttttat gaatttacca cacgcagtaa caatcacgat 120
 gcctgaaaaa acgtcgttga aggatcgcgg tggtaat tttt gtaattttta ggacttcata 180
 caacgacggt ggttgaataa ccgatttga aagcagg tttt atatgatgac aatgacagct 240
 ttattcagac cgttgtagtt gtaacaattt acaaagatga gtttaccata ctcaccgtct 300
 ttgaataata aacttttatt aaattaaatt ttttcccaa atcagacaat aattaacaag 360
 gtgtcctcag ttgaagggtg tcgcgcgcgc attatctggc tggttgtttg aaagctatcg 420
 ttcacgttg tc 432

<210> 9829
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9829

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 tgatgaatga aagtcttatg agatacactt caaagttcca cttctttcct tcttttattc 120
 cttcaatttc gtgtcccccc cttctctctt tcttttcctt cattaaagca tctcttcaa 180
 gcttcttatc caaagcaatt cttggtggtg aagctcctt tctcttggtt tattccctag 240
 tggatggtgc ctccccctatc ctcttctcct ttgcctttcg ctgcatctcc atggtgaaaa 300
 atcaccattg aaggacctca ttgaagctca aagatccagc ctccatagaa gctccacaag 360
 caagcttcca tcatcctatg gtgacgatct tctctagac tcatcttctc cttgaagtgg 420
 cgtctcctct ctctcttccg tctgcattcc gctgcattca tcttcaagaa gc 472

<210> 9830
 <211> 455

<212> DNA
 <213> Glycine max
 <400> 9830
 agcttggttag aactatcatc acatgactct ttattggcac agaataattt gctttctaag 60
 caacttgaga tcttaacaga aacacttggt aagtttccaa ctaaactgtc tattgggtcaa 120
 cctacacatt cttctgtttt gcagggttga ggttgcaagt tgtaccatct atgggtgaggc 180
 tcatgaaaca ggccaatgta ttcccagtga agaacacact caagaagtgc actatatggg 240
 aatcaacag agacaaggat atactcaagg aggattttca ggcttccagc acgggcctta 300
 taaccaacaa ggacagtgga gatcacacc tggcaatcaa ttcaacacag accacgggtgg 360
 accttcta atgccaatcc aataagggcc taatatctct tagaggacta ctaagttgga 420
 agagactttg actcatttat ggaggttaaca atgtc 455

<210> 9831
 <211> 302
 <212> DNA
 <213> Glycine max
 <400> 9831
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 ccctgtgccc cgatgctctt ggcatcaccg attgtggagg aaacttaatc aaactttcct 120
 cttttcatat cctacctaag actctttccc cggcaacacc agatccgcat agctggaccg 180
 catgtaacct actagctttc tatagtagaa cactggcaga gtgtgtacca tcatggggat 240
 catctctctc tcatccatgg gatgagctac ttgagccgcc caatcctcca tcgctgcgca 300
 ta 302

<210> 9832
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9832
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 ttgcaattgt tgcacgaggg cttctaagct tgggtgttact caciaaggca aatgaaatag 120

gctgcctang ccaacgacaa ggatggtgac aaggggtgaca agatgggtgg cataggcgga 180
 tgattccatt attattctta catgtagtat ggaaaatttt ctgttggttt gacataatttt 240
 tttagttagat ggtatgtttg atttacttat tctttgtggt cgtcaactat ttaaacaaca 300
 catgcttact acttagtatt aacaacaatg tttttctcaa ttgattcata taacaaacat 360
 atatgtaaac tacaactaaa gatacactta taatacatat tctttctaga aatataatac 420
 ataaacacac tactatcttg atacagtana aacatgacta c 461

<210> 9833
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 9833

agtctcacga ttgtcacgtg ctcatgcaac aattgttagc cgtggctata cgagacatct 60
 tgccaaacaa agtcagggtta acgataactc gctgtgctt tttcttccat gctatatgta 120
 gcaaagtcac tgatccagtc atgtttgatg agttggaaaa tgaggccgca attaaactgt 180
 gccagttgga gatgtatttt cctctgctt tctttgacat catgattcac ttgattgtgc 240
 atctggtcag agaaatcaaa tgttgtggtc ctgtttatct acggtggatg taccgggttg 300
 agcgatacat gaagatctta aaaggggtata caaagaatct atat 344

<210> 9834
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9834

ngagtactat gaaactctct aactcgacga cactaagatt cacttcctct gctcgaggat 60
 gcctcgcca atatgtcgac atcagctaca aactagatg agtgtgcctc aaaacattct 120
 ttattttctc aactgcctga acgcgagcat attcatgctt tacgtatacc tcatagctga 180
 gatccatctc gaaatacgag ctattacgtg tctaatacct ttggcgcttg atacgaggac 240
 tgctctttgc agacagagag tggcgaccac caacgctatc tgtagcatat ctctatacaa 300
 gtcatatcct atcctgtagc atagtcgac aatgctgact tctcattca tagtgcaaga 360
 tacctatatc tcgtgcgaca aaaggactta tcaactgcga tacaccacag tctaa 415

<210> 9835
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9835

taattcactc cccacaagta agtgcaatth cccttgggtca tttggctctc cattgatgtg 60
 ttttgggtgct ttagttgctc actcttttgca aaattcgtga agcaatttgc atctgaatcc 120
 atgcttggttt tgtggagttg aggacttgaa tgaggaggcc ttaagcctat attgtattct 180
 gaaacaatgg ggcattggcac attgccctca ttctcttgca atatatgtnc aaacatgcgc 240
 ccatcaagtg ctccggtgaaa tgccccaatg atatatgaat atgaatttgc aaaattgtga 300
 tgcgtgggct gttttatgta tg 322

<210> 9836
 <211> 270
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9836

actcaagctt gcagattctc acgaaactta ccgaaacgtn ttgattccct cgcttagatt 60
 tcttcacgga aacaattttc aagcaattga aagagaagaa tgccctaaggg ctggaccctt 120
 tcttcttcac ttctccccta tttatagcaa aataggggag ggggtgccgcc agctcgcccn 180
 ggcactcact ccccggcgag caggtgcttc tccaaacacc gctttggaga atattcagag 240
 gccaccggcc tgggtgctttt caccctttt 270

<210> 9837
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9837

tcgtccgat ctttagcacc tgcggctgca gcttgatatag ttcccaattg ggggtattttg 60
 tagtgatttt tgtaaataaa tcttgttnt ggtaatgct gtctctagaa catttccatt 120

ggatttaatg atgaaatntg tacattctca ggtgaaaaag aggctaagtt ttgaattgca 180
 aatgtagcag ttgggctaag ctcaacaatg ggctaagcac atacctaccg ctaagcgcag 240
 cttcagcgcg cttatcgcan aggaggatct ggcagagcat cagcatcaaa gctgcatgct 300
 aagcgcgaga tcaatgtgct aagcaaagta ggtgtgattg aggccgtacc cgaatcaaata 360
 aaacattaaa aatacagtat ctaggaagtg atcctaggtc gtctcccaac gagcaatggt 420
 c 421

<210> 9838
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 9838

tgctaaccga tggaagctcc taatatctcc cacactatctt gtgggtgggcc attcttggat 60
 ggcctagata ttcttagggc ccacttggac cccatttcta ccaactacaa accctaataa 120
 aactatatta tctacacaaa aggtacactt ctctatatctt gcatatacgg tgtgtctcct 180
 aaggactgaa agaactttcc tgagatgtcc taagtgatca tactacgctc caactgtaca 240
 ctaaaatata atcacaataa aaaactgcat atctacctat taaatacctt aagacattat 300
 ccataagcct cataaaggag ctcggtgcat tactgatccc aaaaggcatc actaaccatt 360
 catacaaacc aaacttggtc ttgaaagcga atttccactc atcacc 406

<210> 9839
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9839

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 taatgaaata ttgtctcttt aagtatcaca tcaaatgaac aaatagaaga tagaagctaa 120
 tccaaatgac aatttgctgt tggaattatt aaaattgtcc agattccaga ccaactgttc 180
 ggtcagatta attaattatt tacgtctgga acaagataaa aagaaaaaca aaaaanaatg 240
 caaagggccca catcaatgca accaccatt tggttttctaa tacactaaag aaactgcctc 300
 ctttgagata atgttttagg taggggatnt gatgcaatga gaagtaatta atcaaggaca 360

cgacataagt aatcctccct tcaaaagctt tttttctaga acaatcgtga ctttatacag 420
tct 423

<210> 9840
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9840

ntcacttaaa gtgtatatcc atgtttttat caatagtttt gatttattta tttaaaatgt 60
ataagattga tttgaaaata aacgataaaa cgtggaaaat aaatgatgaa tttaaatccc 120
ttcattaata aaaagtgaat atgaacattt attaataaaa ataattaaga atcaacatac 180
ttgttactgc gtattgttta tacaattttt gaaaaaaatc atctatactc ttgagctgga 240
tgaatgacgc ttctcgtaaa ggagattcac tgtacatacg tcatatatca aaggattcct 300
gtcgtgtctg acaattattt atctattttt cacaaacttt ctggatttaa aagagaaaac 360
ggactgtaca ttcgcaatct gtgtgcgtat gtatgtctgt cgc 403

<210> 9841
<211> 291
<212> DNA
<213> Glycine max

<400> 9841

agcttaaggt ccgtttacta tgacataatg ttttttgttt ttactttcaa ttatgccttg 60
ttatcaatct attccctgat ttccaagatt tcaatacaaa ctctgtaaaa caacttttag 120
attgaaaaca agattgttat ttaaactgaa cactgaaaat aatacagacc cttaattgtc 180
atcatattca gatcaaaaac agaatggaaa acaccaagtg ccttttagatt gaaaaacgac 240
gaggtttccc ttgttccatg ttgtcatgac accgacaccg aggaagtgtg t 291

<210> 9842
<211> 433
<212> DNA
<213> Glycine max

<400> 9842

cgagcatata tgtcatatga attgagctag tacaaatgtg gttaccagat agaaactaaa 60
cgcggttcgc tggagacgcg taatgctgtc cgtgtgaact tacgctctat gtccctgtgtg 120
gggccacgtg cagtgggtgct atgagttatc tacgcacgtg gactacatga ctgtattcag 180
cgatggcaac cgctattgtt cacccttgaa aaaagcacia agatccactg tggatgcctt 240
gatgcataag aagagaacat cactgccaca ctggccatag atgcatcatg tgtcgagtgt 300
gtgaacatca tgcactacgg ccctgcatgg tgctgcatgc aacggcgatt tgacttggtg 360
cacacgtgga tcgtgctcgg caatggctac aaaagactaa tgtgagctcc tatgaaaagg 420
tgtctggaag tct 433

<210> 9843
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9843

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aaattgttta acagaaatcg aaaggctgga aataactatg caaggaaagg aaanatgcag 120
aatgtaaagg ctcagcgagt tcattcgatc gaatgaacca tttaaaatgc aggaattata 180
aaacgaaacg taaattgcat tcgaaatgta aagtttacia aaacttataa tggttcacia 240
acaaacatac atttccttg tgtactcgtt tctctctgcg ctggatactn tgagtgtata 300
aggattctgt agaaatgatt tgcgaccctc aaaaactaac taaaactgct atatatagac 360
attcganaat aaactgccct aacggctcga cattatccga atgccaagtg tctgcccagc 420
tacatcttac at 432

<210> 9844
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9844

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tgtgaacttt ctgaagtggg ttatgacttt ccttnaagcc cttttaatcg tgaaaggaga 120

acggaagggga gggagaggtc atgggttcga attccccacc tacatctaac aaactaacat 180
 tttcggataa tttttttttc cagaaagagt tataagaaaa ggtaaaatta agctttttcc 240
 gtaagttaaa attaacttat gcataattta aaaccagctt ttggagaacc taaagtgagc 300
 gattttctat agaagtatat aagttgatct aagacttagt tcattcttact ttcattttt 360
 cttcttctat aagtgccttac tgagaaattt atcctaacac tgccctaaatt aaattgttta 420
 ccccaacgtt tccccgcta tgccactttc acgagtc aaa ataaact 467

<210> 9845
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9845

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 aacanatctt ctacacttgg agtgatcaca tgtagtcctc ttgaaccctt accaccact 120
 ctgtcatcat gccgagactc angaaggcca acagggttag ccttctctaa gtattctgaa 180
 caaaattcaa tggtctcttc tgcaatgtac ctctcaacaa tagaagcttc tggatgatat 240
 agattctttg tataacctct taaaatcttt atgtatcgct caaccgggta catccaccgt 300
 agataaacag gaccacaaca tttgatttct ctgaccagat gcacaatcaa gtgaatcatg 360
 atgtcaaaga aagcacgggg aagatacata tccaactggc acagtataat tgcgggctca 420
 tttccaactc atc 433

<210> 9846
 <211> 528
 <212> DNA
 <213> Glycine max

<400> 9846
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 tctgaaaagc ctttattatc ttttgagaag ttcattgaagc tgccctcgaa aaacgctgcc 120
 caacctttct taaccggagg agcttcttca aacttggctc gcagcttcac aagacacttg 180
 tgcattgatc gaccgttggg atccttgata aaatgtctag agtatgctcg aagcttccgt 240
 tcccagagac atttcttatt taaggcattt agcctttgct ttcattgtagc atatgaaaaa 300

cgtcatttcg tcttctttct ttcttccaaa gcctttctaa agtcccaaga aatgtctcca 360
tcacccccac caccattaac caccacaaac catcggttgt ctccattgaa cccacacccg 420
agaggaaccc ttcaaccgaa gcggaatctt tcaacttggc ttgcggattc gatagagaac 480
gagaccctag tctaaccttt cgttttctgt cgagtaacca tgggttcag 528

<210> 9847
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9847

tattaacaga aacctagcag ccataattg aaatatttgc ataattatga tcatatttga 60
taaataaata acttatcaat gaataataa attataatta gacgtgtttt tttcttcttc 120
tttnttataa actatgggtca tacgattttc ggttcatgaa ctataaattc caaaagtga 180
ggaataatta aactgggca cgacagggat atttgatagc attctagttt ggaagatttt 240
agtttgaaat gcatgtata 259

<210> 9848
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9848

aatagtgtct agcgtgtaaa tagaatataa tagaatattt tcatgtctag ttctactttt 60
ctttattata tattntttgt gaaattaaaa gatgctctct tttattttat gccctgtttt 120
gtttatacac aaaatataaa atatattttt tgcgttatac tctgtcttat tttaacacgt 180
taatcaaatg caatcttaaa accactaacc aaagattatc taagagcaaa tgaaatggga 240
gagaaaatgg aataaaaaat cgaaggaatc tacatatata ttgttaagtc attgaagttc 300
acatgatgga atgttgaaaa aagagcggta atatctatct atctctctct ctctctctc 359

<210> 9849
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 9849

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ttcgtgttaa tggacgtgaa taatacttcc gattaccatn ttctctctct ctctctctct 60
ttctctcttc tgtgggagga cccttgggcc tcgaatacca agcataacac tgttctacaa 120
ctgtggttgg tgatcaggta cgagatatga agtatgaagt ggcgtgggag cggcgagcgc 180
aaagtaattg ttgatgatgg cgagaaagat tatacacata aacataaag actggattta 240
gaattatgaa gataggaatt aaatacggat cataatatcc tcttatagaa catttaatca 300
aaattgaata atatcagatt atgaaaaacc attgaacttt aattaataag ataagaatta 360
aattatatta tctgatgcga taatataagt cacgtgatat ctcataatta cataatataa 420
atcatatcaa ta 432

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<210> 9850
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9850

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agcttctcgg ggccatttcc tgcgaaggca aacatttgta atattagttt taccaagaaa 60
tgctaccctt aanacaaaaa tggcatacaa cctcctccaa taaatacaaa catcaatgta 120
aatttagagc aagcttatgc gcatacttct ttacgagcgt tcacttgcac aagacattct 180
tataactaag aaaaatgcac ccatatacaa tcaaggcacc ttgggttacct agattattta 240
tatgtacttc caaggtgtat ttgttaccta catcacacgc atttnccttt gctaaattac 300
atacatgcat actcannagc accttgctat canaaattca tacgtgcaca ttctggattt 360
ctaataccta tcatacacia accttatgat aaatttgcta tctcacaata aggggctcat 420
tcatgctttt ttaagtgttt ttttactacc ta 452

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<210> 9851
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9851

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 tctctactgt cgcaacgtgc ccttcacagg cgagcgaagg cagggctcac ggttgcgctt 120
 tccacaagac gaaaagtgtg ccgatgcgcc accaatgtct atttgtgtaa aacgtcccg 180
 aaacccaatg acaccggcaa aatgaacata ctaagtttgg gagtcatact tacgctctac 240
 gaaagtctta acacctctta ccattgtctc gaaggacaac cgccctatct tagaactgtg 300
 gagtggggta tcctaacctt atttctcctt attttgttga acgcgacaca caacggggtc 360
 ttgctcctac gtccctccat cctacagaaa tcagacctac gtagctcttc ctattcgtga 420
 atcaatacgc cgtttatcct gacgggatct ctctaagcct gaccttacia tgacg 475

<210> 9852
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 9852

atctctaagt cacctgctgc atgcaagctc gtcagagatc atttcttaca gtgttggttt 60
 attaactctga ttcacctacc ttctcagtat gcaatgtcaa tatgggcagc ctagaactat 120
 gaaaattaaa ttgtctttat ttacgtttg gctagttgtg aaattggata aggtttgggt 180
 gatgaatatg ggggttacca cgggagggct tgatttgtgt tgggtgtcatt ttgcacataa 240
 caatttttag taatgtgttg tgcaacaaac attaaatgat gatttgagtt ggcaatatat 300
 gttaaaaaaa gtatattaca tgtaatcagc agtcaatgga tgcgtgattg aatataaata 360
 ctatatcttg aaaaataaaa atagtattaa agtctctata tgtaatctta cagaggagat 420
 ttattaaaaa aaaag 435

<210> 9853
 <211> 154
 <212> DNA
 <213> Glycine max

<400> 9853

gttctcagta tgaaaattat tagtcgaatg ctccaaatca aaatattcca aatcaccgcg 60
 cacataatac tcagaatgct caaaatgctc aaaatgcaca gaatgaccag gatgcacact 120
 atgcctaact tatctattaa aggggtctatc tatt 154

<210> 9854
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9854

agctngatat aaaggtgggt tgtgggtggat gatntttatc attgtaagtt cttagtacct 60
 tttggagagc aacaattaac acgacggact tgccgatacc canaagggggg attaattcta 120
 ttgaattatt atgtcttang tggaaaccta agtacaatgc tgttatagtt ttatccacaa 180
 gagggctctaa gtattgttat gttgagaaaa ttttatgaat tgtatacggg aagattggat 240
 catgcattca tgcataaact cacaattatt gttgttgtga gcatgcgctg aagtctatct 300
 actagtgtgg gaaggctcagc tgagcgatnt cacgtgtgat caaggtcacg gcacacatta 360
 tgccatagta gctactacct tgatatgctt atcctaacaa tgtcactaat tactccataa 420
 tcagtattga tgttaatttc cctaaatggg ttatggcatg tctcgcatgt atagggtttc 480
 t 481

<210> 9855
 <211> 221
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9855

gaaattgaat tatttaaaaa tttaaggatc aaatatatcc caccttatga tataatctatt 60
 ttaaaataaa tatctatatt ttgattgaat catttatatt aatttgtgac atgtcgcat 120
 ntatgattat atgagtcatt ttcattaatt atactaatct gcgatcatat tcaattatct 180
 ataataattt ttaattccac attatttgga attatatcta t 221

<210> 9856
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9856

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tgtgatgatg tttgtgatgt ttatatgctg aaattgccta tggaaaactg ttagagatga 120
atggtagagt taacctatgg ttagaaagtg agaatgtgat gttatgagtg gaaaaagagt 180
gaggctttga gagttggaag gttaagtctg aattctgtgg taaatggagg ttaaaatgag 240
ttaatcctag cttgaaatgt catttaggac atgtgagaaa gggttatgttg tgctataggg 300
aaaaacaaat gaccaaagtg aacaaagagc ctttcttagg gcaaaattgg gtgttgaaga 360
gtcaaatttt gattcgggtga gattntaggt gttaaaccag ttcgaacaag tctaaataga 420
tggttatggac tgggtgtgagg tgagaagttg cttcaaattt acctcattct aaatttcact 480

<210> 9857
<211> 272
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9857

ataactaagct ctggtctctg cagatcttca cacaacaaaa tctctcaaaa cactcttggg 60
acttggaact ttctctctct ataatctcta gacatgcaaa gctctgaatc ccaatccaaa 120
ctctctctct aaaatatgat ttcaagctta aataagtggc cttgttcgtg cttgtgcgct 180
tatcgcaatt atggatcgct taacacacat tattgaatnt cagcttatcg cgtgcctttc 240
tcgcttagaa gatgaactga agcgggtacgc tt 272

<210> 9858
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9858

agctngcctc aaggaggtcc aggaaggaca aggcggccga aggaactatt tccgctcctg 60
agtatgacag tcaccgctnt aagagcgctg tacaccagca gcgcttcgag gccatcatgg 120
gatggtcatt tctccgggag cgacgcgtcc agctcaagga tgacgagtat actgatttcc 180
acgaggagat aggtcgccgg cggtaggcat cactgggttac ccccatggcc aagttcgata 240
cagaagtagt ctttgagttt tatgccaatg cttggccaac agaggagggc gtgcgtgaca 300
tgaagtcctg ngtgaggggt cagtggatcc cgtttgatgc agatgctatc ggccagctcc 360

tgggatatcc attggtgctg gaagagggcc aggagtgcga gtatggccag aggaggaacc 420
 ggtctgat 428

<210> 9859
 <211> 272
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9859

cggtttgagg gacttaccg ttgaagactg atgaacgatg aagaacgaat gaagaacgtc 60
 gaagaacggt cgaaaacctt cgcaaatca ctcacggaaa cgttacggaa ggcctcggc 120
 ttggattttc ttcacggaaa caattttcct aagcaaatc gaaagagaga gaagtccta 180
 atggactgaa cccttttcta ctacacttct cccctatatt atataaaatt gngggagaag 240
 cttgccaccc agctcgccca ggcgagctca gc 272

<210> 9860
 <211> 535
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9860

aggcacgagt ganncttttg tatncatctc gtacncgaga tcctctagag tcacctgcgg 60
 catgcaagct tatatanata catttctctt atatgatatg tcatatatat atatatatat 120
 atatatatat atatatatat atatatatat atatatatat ataagggtat 180
 gattggcaca tggaaaaaat atagagagag aattgtaaaa tttgaataga aagaagatna 240
 ttttgtgaat ttntatcttt ccgcaatcaa attttgtcaa tttttatcta accaaataga 300
 agaaggtatg tccttattgt gtncctcttc tccaaattaa tgtgatgggtg gacacccaaa 360
 gaaccatatt aactttaatg atatccggta catatgccag ctttaattctt gttcaattta 420
 tagagaattt ctcttattgg gaaacaactg aaaagaatgg caccatggct caagccaacc 480
 ttatattacg aaaaaaagta gtttagttac ttacgaacaa acacatatat tttag 535

<210> 9861
 <211> 520

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9861

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 tgctgcccac gaacttctga ctagctcatt tacgaatttc agcatgcaaa atgtttgaac 180
 atagcttgta agcaaagct agacaaagga aagaggcatt gatccttact gtttcatcaa 240
 gaatctctat aaccgcatta caatcttcaa tacaactcat tgtcacaat gcaaagcctc 300
 tactttttcc agagtctctg gcgtaaagca actccatata gatataat aataaatgcg 360
 tgaatttcct ggcaattaac gagatggta ttgtccccg ataacttact cttngacgag 420
 aattggattc atttattgca tgttaaggat gttgcctgca aaattgtttt tattgagaga 480
 tctgccaaat gcagaacata atgttggta ccgttctttn 520

<210> 9862
 <211> 184
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9862

tttctttgag caaagcanag gctntcactt gtctttcacc caaagtataa tgccacattc 60
 ttcttcacca gctcattgag aggtgagaca attatagaga aattangaac ggaccttcta 120
 tagaagcttg ttaacccatg gaagctccta atatctccca tacttttttg ggggaggggg 180
 gggg 184

<210> 9863
 <211> 148
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9863

gctgacaaca gcacttagac tccgcataa actcgcttat tatgagctac aaaagtgtgg 60
 agaatatctg acatagatgt gctgtctctt tcagttgact ctaagcccat gtgtgattat 120

atttctctcc tcatttgtca ttacatca

148

<210> 9864
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9864

acactctcag ctgcacttca ccagaaaaat aagatttaat atctgaacca agatattcct 60
gcattatgaa tagcaaaact ttggcatcaa agtaaattct tctagcaaga aaaatatgtt 120
tgcccagaaa aatgacaatt gtcgtacctt ttcagaaaca aagtaattta ccattggaac 180
tacttcacca tatagataaa ctatgcagca gtaatcatta cagcatctct atttggtaac 240
atcttagtcc tctgcctcat ctgaaaatgg ataggcaagt aagacatcta gtnttataac 300
aaagatgatt acacagaaga tgcttccctt tccagaacgc atcggatatg tgcactactc 360
gtaattctca ttttgacgtt gaccttcac ccaagcgtaa acattagaac agaataggcc 420
actagttaaa ataaatcatt agctaagaag ggcctctgcc taatctaact tttcata 477

<210> 9865
<211> 277
<212> DNA
<213> Glycine max

<400> 9865

tgactggatt tcaagtcaac cggacacctt aagttttatc taatgtcaac agtgagctat 60
ggttttgaaa tgacagcaac atatacattt cataccaatt tccttcttgt gttaacaaag 120
gaacacagga tatatcaaaa tctatgatta agattctctc caatcaacat tctcttcacc 180
ttcctccagc ctctggctct ctctctctat atatattact tggatatttt ccatcatttt 240
cttttttctt tccattattt tttagcttct gatctta 277

<210> 9866
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9866

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ataaaagtttt cttcgtttga atntgctcag agcttctggt ctcaattccg tgcgtctcga 120
tatattacgg gactcaatcg gacatccgag taaaaagtta ttgtcgtttg aatttgttca 180
gagcttctgt tttcaattgg gagcgtcttc atatattacg ggactcaatc gcaaagtcga 240
atataaagtt attgtgggtt gaatatggtc agagctttct gtctcaattt cgagcttctc 300
aatatattac gggactcatt cggacatccg agtaaaaagt tatcgctcgt tgaatttgct 360
cagaacttct gttttcaatt tcgagcgtct cgatctatta tgggactc 408

<210> 9867
<211> 512
<212> DNA
<213> Glycine max

<400> 9867

ggggccgggg tttgacgcct ctttattggc cctctgatat actccgctcg tatcaatcct 60
caccagatta acttctgact ccgctatccg aatgagtgcc gagatagatt ttgatgctcc 120
atcatagaaa acggaagcgc gcacctgggt ctatatacaa accactccac ctgggatgtc 180
ctatagagac ccggaacata tcgcgacgct cttatcgaa accggcagct cgcacaaat 240
tcaaacgaca cttactttta actcggatgt ccgattgagt gccgtaatat atctacaccg 300
ctccaattga atacagaagc tctaagcaaa tgcacacgac aataactgtt tactcggatg 360
tccgattgag tctcgggaata tatcgagacg ctcacacttg aaatggaagc tcgttcaatt 420
gcccacgaca atactttttg ctggagtcaa ctgagtcagg aatatcgac gctcaattga 480
aatggagctc tttaaattag ccacatacct cg 512

<210> 9868
<211> 516
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9868

agctntctag cntttcattg gtgtattctg atctcctttt ggtgctctaa attgtgggaa 60
tgtactcaaa tatgtggggg caatttgatt tgttttcttg cttgattagg ttgaattaag 120
ggtttgtatg agatggccct atgcctataa tgcattttga agtaatgggg catgccacat 180

tgtccccgtt ctcttgctat tgacgcctaa acgcgcgccc accaagtgtt cggtgaaatg 240
 cctcaatggc attagcgcgt gattnttgta gggaaacaac ccatggggcg atttggtttg 300
 cacatatnnt tgggacatgc attcattntc gaaagagcta gagtaattgc cccacatatg 360
 tcctangcct aggaaccaaa gtttttatgc aaaagtacac aaaaggaggt gcatattgng 420
 taaagttacc ctcttttggg ccagcaatca gctatgggcc acactataat attntcccta 480
 cgcctagatg tctatgaatt gtgctcgtca tgaatg 516

<210> 9869
 <211> 364
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9869

agctngatag cacgcagaga ctaacgacgt cttctgcgct cttcgtcaat ctcgcccgac 60
 aagcccgttg acatgcggag atatacgtca tcttctgcgc tcacaagatc tgtcatactg 120
 actnttgagt cacgctgacg ggcggaataa cccgagtggg tatccgtata aactttntgc 180
 tgtctgtaag acgaaaagct tgatagcacg cagagactaa cgtcgtcttc tgcgaccttc 240
 gtcaatcgcg gccgacaagc ccatttaca gcgagatatt acgtcatctt ccgtgctcac 300
 aagatctgtc atactgactn ttgagtcacg ctgacngggc caaatacccg agtggttatc 360
 taat 364

<210> 9870
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9870

ccttgcccca tgatatatth gagggactta tgatcactat gaatgacaaa ttccttgatga 60
 taaaggtagt gttgccatgt tttcaaagcc cgtactaagg catacaactc ctaatcataa 120
 gttgaatagt taagggtagg accacttagc tcttactaa aataagcaat tggatggcct 180
 tcttgcatca acacagcccc aatcccaaca tttgaagcat cacactcaat ttcaaaagat 240
 ttttgaaagt ttggcaacgc gagtatggng gcattaatta gcttttgcta caaacattga 300

nnagctcttc tcgtttctct ccccatTTga aacgcaacat tttcttgagc acttcattga 360
gaggtgctgc caatgtgcta aaatccttca caaatcgtct ataaaaactt gctaagccat 420
gtgtcgcaac ctacccttca gcgggagggc gatgctgac tcgtcggatg cgtgttccac 480
gaaaggaata cgcgcgaggt cgccactaat 510

<210> 9871
<211> 254
<212> DNA
<213> Glycine max

<400> 9871

attagagttt atctctttta tcttagagag agtgagtctc cttaaattctt gagtgattca 60
agaacacctt ggctggatca aaggactctc acaacctttg tgtgttgccc tcgctggaaa 120
gagagattct ttccttcctt tcatcatcac ccttggttctt tcaaaccaca attccagaaa 180
atccacctct gcccataatt atctcgttgg cataactccc attttacgca cctcaataag 240
cgattcttga gcct 254

<210> 9872
<211> 441
<212> DNA
<213> Glycine max

<400> 9872

tacatataat acttogaagt cccaagtgtc agctcgttta ttataccact gacccctcaa 60
tctttcataa tatagaataa tattcaataa tctacagaac attaaattta aatgtaaatt 120
taatataattg ttcttttaac taaaccaaat atttttttat tcaaataata agccaaattt 180
agagcacaag gtgtgtccaa tccagccaaa aaaacagtac atgtaaaagg cccgcctttt 240
gtaaccata aaaaaactag atctcgtatt ctgtatctgc taccatttta tacatagaga 300
taatgaccta tcaagcttaa aaaagctata caatttctca aaccgacaaa ggagccaccc 360
aacgacaacg acattccata tgtaatttca attacaccat tcccaacccc ttatttcgtg 420
gtttctgaca acgtacaata c 441

<210> 9873
<211> 349

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9873

tctcaaacac ctgataacac tattaaaatg cattgcaagg aatgtttctg tttagttatc 60
aatcaatga ataaagccca catggatata tataaaaacc actcaacttg tttctactta 120
ggtatcatat gaagcttcta gtgttgatct ttaacaaacc aaacagcatc catagaagtt 180
acaagtgcct caantttggc attttttgca gtgaaataaa aatcattcc tacacaaact 240
tataatagta aaaagggtta aagaagagga ataatagcta ataggaataa tagtagattc 300
taaattcttct aggtgagtta gtatcattaa cacatgnttt tgtaatcac 349

<210> 9874
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9874

taatataatta ttgctcacac tcttatgctc tttgataaga gccatatcta gttatTTTTg 60
ggattaaaat attagcactt atcttctgat tgtaatagtt nttcttataa actaccctta 120
aatctagttg ttttatagat attgtacatt tactaaagct tatgtttaaa tatgaaagat 180
tcaaccagga tattgtacgc tttgatggtt gtttgttaga tccacaaaca aagtcaaaag 240
gaaaggcaca atggtcattc ttcaagattt cagacattca ctgcctacg ctagctttca 300
gctcgcatgg gctaataaga attcttcagc cataagcaac caacttgctt gggtgagcta 360
caactttcct gcgcgaattg gtgccttcag cactgagtca ctaatatccc tgggtgagct 420
acatatg 427

<210> 9875
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9875

ntacacacac aacatgaatc ttttaagcat gagtcanaga acatcttggt caaatatgac 60

ttttgagaaa tatatattag aaggattaga gttaatcaca aatgataaaa ggtaacaat 120
tatttatgat atactctttt catcaagtca tacaacatc cgagtcact ttggcattcc 180
ggaaaatctt tcatnngttt caccctctat gtgcacattt ttnttccaaa aaacctttcg 240
tgttttgatc catgaattt 259

<210> 9876
<211> 491
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9876

agcttaacta aagacatcat catgaatctg aggtactcaa taaagtggtc gacaccccg 60
gccacatttg ggtaccattt gctactcca cactctagct caagcactag ctctaactgc 120
atltgatcct aaaaaaacgt aacggtgatt cttttcacct catcaaccaa gcacaaaaag 180
ccctatcgca agttaaacca cacaacacta tcaaccactt tgtagtgggt atatactaga 240
tttcacacgc aacctaaggc ttcccatctc attatctcaa catacatagc acatngacta 300
gctaccatta gaactctcag aactcactgg ctttacaaca ttntgtagaa gcaagcttca 360
tgatgatgaa ccaagcaatt ttgatgatgc caaaagccca agtaattgat tcaagacttc 420
aagatcaagc atcaagaatc caatccaaga ttcaagagaa gaaatcaaga agcaacaagt 480
caagacttca t 491

<210> 9877
<211> 254
<212> DNA
<213> Glycine max
<400> 9877

tattctcaac agtcacatct ttttatttgg gtcttgaatg gctatcaaag acctatatat 60
atgtgacttg agacacaaat ttgagaagag tttttcagaa caaaaaggtc ttatcctctt 120
aaaaagcata atcagttcat cctcttaaaa aattcttggc caaaacactc gtgattcaat 180
aaggaattat ttgagtgtc aaattgttca atctatctct ttcaagagag aatacttctt 240
ctcttcttct ttat 254

<210> 9878
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9878

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agctngcttg tggagcttct atggaggctg gatctntgag ctntaatgag gtccttcaat 60
ggtgattntc caccatggag attcagtgga agacaaagga gaagaggtga gaggaggcac 120
catccactat ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180
agaagcttag agaggatgct tcaatggagg aaaagaaaga gagagagaga gaaagagaga 240
ggggggagca cgaaattgaa ggaggaaaag ggggagagaa gttgaacttt gagttgtgtc 300
tcacaagact ctcatcctc anagtacaa aaagtgttac acatgcttct atntatagac 360
tangtagctt ccttgagaag ctttcttgag aagcttcttt gagaaaactt ccttgagaaa 420
ctctcttgag aagattccta gagaagctag atcttagcta cacacacctc tctaataact 480
aagctca 487
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<210> 9879
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 9879

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acactataga aactcagctt ttatccaagc aattcttggg ggtgaagctc cttcttcctt 60
ggcttattcc ctagtggatg gagcctcccc tatectcttc tacttttctt tccgctgcat 120
ctccatggtg aaaaatcacc actgaaggac ctcatgaag ctgaaagatc cagcctccat 180
agaatctcca caagcaagct tccatcaagt gggtatcaca acacaagagc ttcaagtaag 240
tgccctctta acctccatta atttgtttgc cttaccttct cttccattgt tgtgtcttca 300
ttttttttc 309
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<210> 9880
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9880

agctnggaaa gcatagattn gatattgctt ccctcatcat gtggctcatg atgtmntaca 60
atgaatgata ctttgctacc ctgcaatgag acacacacag atacacaaac acacacacat 120
agagacaaac acacgcagac acaaacacaa acacacacac acacacataa agatacacac 180
acacacacac acagagtcac gcgcacatga agacacagac taagacacaa acacactgag 240
ccacagacac gcacagagac ccacacacan agacacacac actgagtcac aacacacaca 300
tacgcaaaca cactcacaca catggacaga cacacacaca cataaagaga caaacacaca 360
cactcacacg ctctcagagt aagagacaac cacatacaca cacacgcaca cacacactga 420
taatgagacg gacgcacaca c 441

<210> 9881
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9881

tgattgtgat ntatctcagc ctgtgtgtag agataagtgc agaccttgcg ctgagtgtca 60
tctcttcatg cgctaagctg agcttactca cgcttagcgc aaagaccctt gattgattgg 120
ctgaatggtt caactaaaat cacatcgctg cactaagccc aacatcttca ctgtatagtg 180
caccttaagc aatgcgctta tcgtggatga agcgctaagc gccactctct ctctgtgaaa 240
atttattata gctgcgctaa gcgtgccatc ctgcgctaag ccacagattc attctgttag 300
ttgagctttg aagctacgct tantgggaaa ggacacgcta agcgccacat cactttgttc 360
tgaatcattg gaagtgcgct tagcgcatgg agtggcgcta aacttgaatc actcactgta 420
cagtgaagct gatgtacggc taacctcgat ctaggctatc gctattgg 468

<210> 9882
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9882

agctatggga ataatatnta tcaactggag tattgaactt aaccacaaac aagtttctag 60
ttatatgaac taatatatgt gtcacttcta atgtttctat ggctgttact tttaagtaaa 120

gactgggaag accagcttgg agcaaatatc aagagtttat tggaatcagg taagctaaaa 180
gctaatagtc ttgtccattc ttttttctta tccatgcacc tttatgtact tgagaatccc 240
taaacataca tgntaacaat aattttcccc atatgtaaaa taacttgaca ccctcgaact 300
tctcaaagtc attccaattt ctattcgatt cgccattggt actgttattt tctacagatt 360
atgctcctgt cagtgggttg tacaatcaat tgtctggagt tccctctatt atttcatatt 420
ccccaatatc ggaatattta aaatgtaaat tcaactggat 459

<210> 9883
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9883

cgttaatcca tggaagctcc taatatctcc cacactnntt gnggtgggtc attcttggat 60
ggccttgatt ntctcaagtt ccacttgga cccatttcta ccaactacaa aacctaagaa 120
aactatatta tctacacaaa aggtacactt ctctatatatt gcatagaggg tgttttctct 180
aacgattgaa agaacttgcc tgagatgtcc taagtgatca tctangctcc tactgtacac 240
taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacataatg 300
cataagcctc at 312

<210> 9884
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9884

caagactact acagtcattt ctagattaac acaattaatc aagcagtcaa aacgatatag 60
acaagattaa aaaaatgtgac tttataaacc ataacatcct agacatgtcc actgtagcaa 120
agattaaaa atgaaataca aataaccaag catttaacag caaggcttca ctgatatgta 180
aacctttaaa acaagctcct tgggtgtgtg tgttgctatg gaaacactac gctgcacaat 240
actagacact atctctttga tagctctgtc cattgcaatg ggtaccgctc tgtaaaaaaa 300
taacaatagc aaatagtaac tcagacatat agattcgaaa aacaagcaga acattaaagt 360

gagcaccata cctctganaa tgcatttg

388

<210> 9885
<211> 194
<212> DNA
<213> Glycine max

<400> 9885

gatgccccac attattttcca tgacacaaat gccaaaatga tgatttggaa attttatgca 60
aaactgggtca tgcattgcacc tatgcagaca ctcaagtgtc aaatttttat ggtcatgtga 120
tgctagggct taagatttat ttcctctatt ttaaataaac ccaatgtttc caaaatatgt 180
tcttttatca attt 194

<210> 9886
<211> 183
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9886

acctggagat atgtcgcggg ggtcaagaga cctttgggac gtcangtggg gtgctattgc 60
ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat attcggtcag tgagaacatg 120
tgacgtacct aagcaggcga gtcctggcc gtccacagat aaaaggaaaa caagaccaca 180
cag 183

<210> 9887
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9887

agctntataa gcacaggtct ggcgacgagc atatacgaat atgatgttct tagtacattg 60
gaattggtac aaccatgccc tctgatttc cagctgggaa attggcgagt ggaggaacgc 120
cccgacattt acgcagcgag cataatgtaa acctttacgg ttttaaaagc tctatagttg 180
ggcctaggct ttagagtttt tcttttggtt aacgctttgc gtattttggt tttttaatat 240
ataatacgag gatctttctt catctagtcc tacgactgta cccataactca tccatttgca 300

tgtttacttc ttttctaaaa cggcagatcc gatgatgagt cccccgaagg tactaataacc 360
 tngnaccgcg ctatcaactt cgagcaagaa acgaatcana cggaagatga acggaacgat 420
 gatgtgggac 430

<210> 9888
 <211> 173
 <212> DNA
 <213> Glycine max

<400> 9888

atatccacga tgtgcgcata aaccacccat cccctgttgc ccaccttcat ctgagctcac 60
 gtattcccac gtagcccata tactcgggtc tcttaacacc gggccccat caatccttcc 120
 aagcttccac aacatccaat caaaacaaca ttcaaacagc acaagctatc aca 173

<210> 9889
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9889

agctnttcga ttcattctat gtaccctggg tggccacat tgtgtttcgt ggtattttat 60
 tctcgtttca tctacttttt atacccctt ttgacgtgct taagccattt tatttaagtc 120
 atttctcgt taacctaaaa ataaaataaa ttccaccga tcgtttgaat tgtattatcc 180
 gttaacttcg gttaaaatga attccgaccg ttccggtcgt cggtaaccac gttgaaaata 240
 aaaaaaaga ggtaaaagga taatataata ataataataa aaaaatgtct tttagtaaaa 300
 taaagcggaa aatcaatcgg acattttctc ttggggattt ctcattctta attgaattga 360
 ctaataacta aagtgaact aaggctaana tcaactcgcc tagtcaagct cgtccataaa 420
 aatagttntt ttgggaaatt atcatttcaa tntcttacta agtaaaaatg gagtcatttc 480

<210> 9890
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9890

agcttgtagg cctnggatct tcttcatcaa tggagtcctt tgcttcccga tgatcaatgg 60
aagcggaatg gagatggaaa aaagatgatt ggagacgcca cttcaaggag aagatgagtc 120
aagaagaagc tcaccatcat aggaagccat ggataagaac ttgaagggtan gagaagatgg 180
gtggagggag agggagagaa ggagcacgaa attttgtgtc ttanatgagg tctgaactct 240
gaagtgtaat tctcaaata tcaaagttga aaaaatgcac acacatgggtt gttatttata 300
gtctaagtggt cacanaaatt ggaggaaaat ttgaatttct attcaaattt cacttcaatt 360
tgaaattgaa tnntgtggag tcaaatttga agccaacaat tcactaatta tgatttagtga 420
atnttagttg tgggttcagcc cactaatcca aaatcaagtc caagattctc cactaagtgt 480

<210> 9891
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9891

gcttcaatct cctcatacac tgaatattca tcttgtgac ttgatcattg ttgaagtgggt 60
aatgtcacac ttggagaaat catgccaaag tctgataatg aagagctctc gcctaaaaga 120
aatatatacc gtgatataga aggaggttgc tatgaaaata agtaaaggct attcaagctc 180
tctgtgaaca aaaatgatat aaaaaaccaa tcatatcatt cttgatagta agaaaataaa 240
tgagtagcgg ttgtcgtctc ttattaatat tatctacacg ttaaaatgaa tgaagatnat 300
aaaagagaat gaaatagttt gtaggatatt aatttttagta ttctaacag gaaaaaaga 360
gcgaga 366

<210> 9892
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9892

agctntgagc caaaatcctg actcaccata taccttgtct ccanggtgag aatgtcaatc 60
cttaccctcg gaagcaaaaa agaatagaag ggaaatttcc aatcaaagaa cagagaacga 120
atatttccag tgaaagagag aaaagataag agaggaaatt cccaatcaaa gaatgggaga 180

aagaaaaaag aaaagaaaga aaattcccaa ccaaagaatg ggagaaagta aaaaaaggaa 240
 ggaagctcct ggtcaaagaa accagaagat atgtgcagag aggtcttttg accagacaat 300
 atctgaacag tacagaattg tcaccaaagtg aacaaaaagg aaggaaagga aaccacgacc 360
 tanaatggtc ttctcccttt aattaccaac caaatcccg tg 402

<210> 9893
 <211> 266
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9893

agaatcaatg acaatgctta caaagntgag ctgcccgggtg agtataatgt taattccacc 60
 ttcaatgtct ctgatttata tctttttgat gcagatggag aatctgattt gaggacaaat 120
 ccttctcaag agggagagaa tgatgaggac atgaccaaga gcaagggcaa ggatccactt 180
 gaaagacttg gagggcctat gacaagggt agagcaagga aagccaagga agctcttcaa 240
 caagtgctgt ctatactatt tgaata 266

<210> 9894
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9894

agctngngat angcattgng catctatntt gactntccta tgctgtctct aaatacataa 60
 aacagcccca ccatccaat tttgcaaat catgttcata tatcattgng gcatttcacc 120
 gagcacttga tgggcgcagt tttggacata aattgcaaga gaatgggggc aatgtggcat 180
 accccattgc ttcagaatac aacataggcc taaggccttc tcattcaaat cctcaactcc 240
 aaaaaatcaa gcataaaaac aaaccanaac tgccccacaa atataatcac attctcacia 300
 tntggagcac canaagatga agaaaatata ccaatgggaa gctaaaaaca tcaaggattg 360
 aatacttact tgttggagtg aatagaaaca ccaaaagcga aagcaaaaac acgatcaaaa 420
 gt 422

<210> 9895
 <211> 186
 <212> DNA
 <213> Glycine max

<400> 9895

ctagtgcagt gaaagaagtg cttactgggt ggtaacttga gatttctaac cttttccttc 60
 ttttttggtgta aactatattg ctttgacatg tgcattgtga attttggtgg tttgtggaca 120
 tttcttgatt ttggtgtgtc ttatttttca atgattgcgt gagcttgctg gtactttatg 180
 tgatat 186

<210> 9896
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9896

agctntctca taanaggcag ccacattttt ctgaaatcat gccacttatt atcaattcga 60
 gcaacagtaa tattgtttat acaaacctac tttaaataaa atagaaaata caattcaagc 120
 aaatcattaa ttcaaccttt taatttggct tatctttgct accagtaaagc tggtttccca 180
 tgaaacaaat atcttaactt gcaaggggaa caaatctggc aaacagtcct tttcatatgg 240
 gatggttcca aaatctttca ctgcattatt aaaatcatta tgccatacaag aagagtgaga 300
 tgaatgatga atcaattttc taattctgta aacaatatgt tcttagaata tttggcgga 360
 gatcttttat cagtagaaag aagacttaag atatcattca ttgctgtaaa tcattgtgaa 420
 taatattaac ct 432

<210> 9897
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9897

cgacctgtgt gcttagcgag ttcataattt tttgtgtttt atgggtttnt gatgaactct 60
 ctaagcctga cctatgtgct tagcgagttc atgcctcttt tataatattt gctgggtttt 120
 gatgaactcg ctaagcctga cctttgogct ttgcaagttt ctgaattttc ttcgtaattt 180

tttgggtgttc tagatgaact tgcttagcct aaccctgtgtg catagtgagt tcatgatttt 240
 tctcatatc ttctaagggtt ttataaaact cactaagccc gaacttgccg ttagcgagtt 300
 ctttcatgtg tccataggct ctatggtttt t 331

<210> 9898
 <211> 505
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9898

agtttcccga canacactta naggagaaga agaaaaaagg aagaaaatag ttaaaattaa 60
 cttacgaacc ttacaattat tagaatcttt ctcatctaac tactccaaaa gttgactgca 120
 taacgtgatt ntatcttagt ggagaagttt tattttatttt acctccctat ttcttctcct 180
 ataggtgatt gtagaatgta cagaagctta taaaaattga actattactt tgcttatcca 240
 ataagattag atttatatac ttgctagatg catagtctat taaaaagtaa tattacacga 300
 agttctggat tattgaattt agtctcgtag cagtttatta ttattatan attgaaaatc 360
 cttttngaac actttgtgta atcgggttgt actagttatt gaactaacca ttacttgacc 420
 tattaatgtt agtatacatc tcatatcatc tcaactgataa ttttctctc tgcaccataa 480
 tttcaacatg gaatcaaaga agtat 505

<210> 9899
 <211> 296
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9899

taagcatttc anagatgata acaaagagat gctgtctggg atntctcatt agttatgaca 60
 atcataaaat gctagacgtg ttactgactg gaagccagag ctatgcatta acttttgtaa 120
 agtgaagaaa gcgttacatt cgtgtttcct tgaatcaaaa agtgaaattt gatcccgaaa 180
 agtttcaaga agatccgcaa gaccataatt aattaaaaaa gaaaacatat ggagattcct 240
 gatatgcaaa attgatggag gcaggtcatt cacacctgaa tgtgctaaaa acaata 296

<210> 9900
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9900

agcttgaacc ttgaatcttg attcttgatt cttganatct aatntcctct tgaaccttga 60
 aatgttcttg attcaatctt gaacttattc ttgtattctt gagatcatca tctttgttat 120
 catgaagtgt tcttaacttt tcagcttttt gtcacatctt ttgttatcat caaaactctt 180
 tgaatcaatc ttgattcatc atgaagcttg cttctacaat ttgttcacgg aaccaatatg 240
 aaagttattt cctattaatt ctgttgaatt catattgaga taatcaacga atttgtctct 300
 tgataagatc agtatgggct ctatgtaaaa aacgtagaa naagtaagca ttagcattga 360
 tagaaagata ttatacaaaa tttcaataac taaatataaa cattaaacac atcgtattac 420

<210> 9901
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9901

agctttgagt gaatcaatgt gactnttcac atttaaattt gaattntaac gttcaaggac 60
 actggtaatc gattaccaa acattgtaac cgattactgc cttgtgaaaa tatttggaac 120
 gttgtaaatt cagtttgaaa actttttcaa actcatttta ctactggtaa tcgattacaa 180
 caatatggta atcgattacc agagagtaaa aactctttgg taaaggtttt gtcaaaaact 240
 catgtgctat tcaaagtttt gaaaaaactt tctaatactt atcttgattg agtcttttct 300
 tcattcttga atcttgagtc ttgaatcttg atccttgatt gtagactntc ttcttgagtc 360
 ttgaattctt cttgattctt gaactcttga cttgttcttg attcacttga gttgttcttt 420
 gatctttgag ctctntgttc atcacctttg tcatcatcnt ttgttggcat cattgggtatc 480
 atcaaaacac 490

<210> 9902
 <211> 258
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9902

tgtagaatgg ctagacatga tacacgtcaa ggtttggttt ggttcaaaga taaaaaggat 60
gccccacatt atttccatga cacannatgc aaaatgatga tttggaaatt ttatgcaaaa 120
ctggtcatgc atgcacctat gtggacactc acatgtcaaa tttttatggt catgtgatgc 180
tanggctcaa gattncattt ctctattnta atcaacccaa tggttccaaa atatgttctt 240
ttatcaattt gtacattc 258

<210> 9903
<211> 447
<212> DNA
<213> Glycine max

<400> 9903

tcttaagtca cctgcgctg cagctttagg tttagagctg tatcactcgt ccataatctaa 60
attagttgaa tgcctctcat gatggagaga atctcattaa ataataatct ctaacttcat 120
acaaggaaac tttgcctatc actatacaag aaaactttgc ccaattacta atttacagct 180
attcacatct gtcaattaat gaaataaatg cagcacataa atcagagaat actgtcgaca 240
aattatagga aaagcaataa atcaaagatt tacctaatta tgttgacact aataacatga 300
ttacagaaag aagtgtccag ttgccaaatc tttcaaatac ttggatcaca ctactcta 360
ttaacaaaa acatacaaac acttagaatt cttttatttc ataagtagta caattactac 420
gtaacaatac tattatattt cacacta 447

<210> 9904
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9904

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gtgcacttga ggtacagagc aattttgaac tgttgattnt gtagttctgc gctgttggtt 120
gtttatttgg ccatggaaga agtgtctatt tgtagatgtc cataagatta aaatTTTTTA 180
tatcttttag aatactttta gtttattggt agtgggtaccg attagcatta gctcgtagca 240

atgttgccctg tatttccaag gttcagcttc tgattggagc agttctgggtg ctggaatggt 300
canganaaga atatgtttctg catcttttgc tcataaaaaa ttgtgcctgc ttctaaactg 360
gaacgtcttt ctagaaatct gattaaagca atatattaat gcattttgga naggggatta 420
ttttctttgt gtctagtata tagtcgatct tgttagatgt tt 462

<210> 9905
<211> 507
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9905

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aanataaata tgtttgtaga aagtgtctgg gtctattnta aatntgtagg ttgggttcat 120
tgtgaaacaa gataaatatt aaaaaaacac acttaatttc tataatcggtt gcagctacaa 180
tcgatgtaga aagtgccttt acaacatcag ttttgggcaa aatcgatggt ataaaaacac 240
tntctacatt gggtgtatct acaacctatg taaagcaatg cnttgaacat cggttnttga 300
accatcgctg aaagttccca ctttcaagga tgcttgattc aacatccatt ctaaaccgat 360
gttaaaagtc ctccagaacc gatgttgaag gagttttcta taataatggc cctctagtct 420
aggggttatg atgtaattat ccaaatgtac tcctctcatt gttcttgatg aaaccccnca 480
ttgttntatg ctaagtagtt accttca 507

<210> 9906
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9906

cacattcact ttctttctaca tcattattcaa acttgtccaa attaataata aagtcattctt 60
gacacaaaga aggtcatcta agtttcatac aattaatata gaacctatat cctaattgtca 120
catcctatca gagcgtgggtg ttctcgcgctc ctctagcatg atgttcttta tagtcattca 180
cctattcatc tgctcccccg aacacaaagt tcaagatcat cacaggatcc aaacaccaac 240
aacaaccan gagtgagtta tcacatttct aactactaga gagaaacaac acaacatata 300

gttgcccaat accatttact tagcatatct cacattatct catcactttg tcattcatca 360
atcacacttt tcatccatca atcacaccct ttcacatca atcacaatat ac 412

<210> 9907
<211> 524
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9907

agcttcctta agaagattcc taaagaagct agagcttagc tacacatacc tctctaattg 60
ctaagctcac ctcccttgaga tgaanagcta gatcttagct acacaccccc tataatagct 120
aagctcacc ccatgacaaa naaacatgaa aatacaaaaa aaaagtcctt actacaaaga 180
ctactcaaaa tgccccgaaa tacaaggcta aaacctata ctactagaat ggccaaaata 240
caaggcccaa acgaaggaaa aacctattct aatatttaca aagataagtg ggcccatact 300
tagcccatgg gctcaaaata taccctaagg ctcatgagaa accctggggc ttcccttaga 360
tctctagccc aatctacttg gagtcttcta cccaatgccc ttgcgggata ggattgcac 420
attccctcca ccttggaag gatntgacct canatccga ggttcttcat actctgggct 480
ccttccctca acacctggtg aaagaacana aacatatgta ttag 524

<210> 9908
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9908

tttctgtcca tcttagcgac ctttatacca tcttgacttt tgtaggtctt atgtttgntc 60
gcaatagaaa tataatataa tgttntgaag canaactgct gtgaaaaatt atgatatgaa 120
tttataactt ggttgataaa gattgaaatt ggaggagtaa tcatcgcttt tattggggcc 180
ttattcaacc tgtggtcttt acaagatttc gagggatgat ctatgtgcac cccacatttt 240
tagtgaatgg gcgaaaatgc cattcactca aattgatccg tatgagccat accgatcaag 300
ttcgtccgta caaatcatat gtatcacacc tgatttgatt tgatttggat gtntaaatta 360
tacctacaga tcaagttcat ttgtccaacc atacgaatca accacgactt cgcgtacctt 420

cggcgttgga gaagtttgaa actaaccaaa tatgtcatgt gcacaaccct cccagaaatt 480
taagaa 486

<210> 9909
<211> 82
<212> DNA
<213> Glycine max

<400> 9909

aatgatttga actgatcaat tgcattggatt gagtgaatcg tgatggatat atcgcttgct 60
tttaattagt atgcatgtat ta 82

<210> 9910
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9910

gcttgtggga atttgtgata gtgaatttgc cggagatggt gatgatatga aaagtactac 60
cagatntgta ttttttatgg gtgatttgtt ttttcatagg agttctaaga agcaaggcat 120
tgtgacactt tctacttggt aagccgagta tgtagctgca acttcttgca catgtcantg 180
ccattggcta agaagattgt tggaggaact tcagttgttg caaaaggaaa gcacacagat 240
ctatgttgat aatagatctg cacaagagct tgccaagaat cgggtgtttc atgaacgaag 300
taagcatata gatacaacgt atcatttcat tagagagtgc attaccaaga aagacataga 360
attgactcat gtgaaaactc aagatcaagt tgcggatatt ntcaccaagc ctctc 415

<210> 9911
<211> 642
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9911

cagctcgcgc accactcngc gcgcgctcaa ttcctcgggc gtacattgta ctgaagcaga 60
ttacattggt gttggnatta ttnacgcaaa ggctcgaggg ggttggagcc catctatcta 120
gcgacacttt ataatactca tacttgccaa tagctctant ggctgatgag taggtccatc 180

caacagcg

128

<210> 9914
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9914

agctngatca aaacanacat ctaatcattc cagtcactc aattcatata ttntctcatt 60
caagtcattc acaaacactt cattcataag aaatcacacc actgaatatc ataatacaata 120
agttcactgt tcaaacatgc ttttgtacaa gctatcaaca ctcaaacaac aaaaatttaa 180
aagactaaaa tttaaagact aataaagcat aaacaaataa ttgacatgaa ctataataatt 240
gataaaagaa actattcata atttgcaaaa ttntaaaaac tatgtagaat ntataactca 300
tgatcatcct actgctgata ttctgcatgc tcgttcagat ccagcattgg agcagctggt 360
ggatcctgtg aact 374

<210> 9915
<211> 341
<212> DNA
<213> Glycine max

<400> 9915

ctctcatttt cttaatacga agtactgggt ataacaatga gaaagattat ttgaaaggg 60
gtcgaaatag ataaataaaa taatatcaag agatcgaaga caattgaatt gtttctcgat 120
ccaatatgag tttgtgccat atcaggattt gagtttgctt atttttttcc caattagagt 180
tcaagggtcg ctactcgaga actcgatgaa tgatacaaat taaacttctg tctctagtta 240
aaccttccat aatgaattga gcataacagg taattataac atataagcgc attatattat 300
atatactttg atggtttgga gatggataca gcagagtcac a 341

<210> 9916
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9916

agctanacat tatactntga gcgtctcgat atattactgt actcaatcag acatccgagt 60
 aaaaagttat tgccgtttga attggctcag aggttcaaaa ttcaatttcg agcgtctcga 120
 tatattacgg gactcaatca gacatccgag taaaaagtta ttgtcgtctg aatttgetca 180
 tagcttcaac attcaatttc gagcgtctcc atatattacg ggactcagtc agacatccga 240
 gtcaaaagtt attgtcgttt gagttggcct agaggttcaa cattcaattt cgagcgtccc 300
 gatataattac gagaatgaat cggacatccg agtaaaatgt tattgtcgtt tgacttggct 360
 cagagcttca acattcaatt tcgagcgtgt cgatatatta cgggactcaa t 411

<210> 9917
 <211> 193
 <212> DNA
 <213> Glycine max

<400> 9917

cgtaatatat cgagacgctc aaagtggaat gtgtaatctt tgagccaact catacgacaa 60
 taactttcta ctccgatgtc tgattgagtc ccgtaatata tccaaacact cgaaattgaa 120
 tgtttaaact ctgatccaat tcttacgata ttaaccttct actccgatgt ccgattgagt 180
 tccgtaatat atc 193

<210> 9918
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9918

agcttgccgc ccagctcgcc caggcgagca aggttgettc ctccagaagc aacagccttc 60
 tggaggaatc ttctggaggg cccaagtggg cctagttgct ttntgcaccc ccccttttta 120
 ctaaatgcac cccttctatt tttttggtta ttctttttcc gtaacgttac gaaactntat 180
 gaatttcgta acgatactta ttttccttcc gcaagggttac gaatctttac ggattatgta 240
 tttactcttt tttagctntc gaagaagtta cggaaactta cggatggtgc aaaaacacct 300
 cttttcgaact ttccgcatat tacggaattt cacggattgc gcaagcctgc ttccctttga 360
 tttctgacac gtctcgggac ttcattcatt gtgcaacana ggacgccaag tacctcanaa 420
 ggttgcatgt catcaagtaa taatccccgg atgaaaatan ggtatgacaa caanccttta 480

atcaaagtgtg caaaatcatg actttcatc 509

<210> 9919
<211> 153
<212> DNA
<213> Glycine max

<400> 9919

cgtgtgatca atatcctgat gagggcggtc catatgctct caacattgga ctaatacatc 60
tgatgccac actccatggt cttgcacgtg aagaatctca taagcatctt aaagagttcc 120
atattgtttg ttccaccatc gaacccctg atg 153

<210> 9920
<211> 494
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9920

agcntggat ctcttcttc actacatcaa gaatcaccat gttgagtctt ctctgtggt 60
gtcttactgg ttagctcca tctctaaat ntattcgatg catacatgtg gatgggctaa 120
taccaggaat gtccgccagg gtccagccta tagccttctt attcttcttg agaacagaca 180
acaacttctc ctcttgctca tcagcaaggg aggcagatat aatcactgga aaacttttgc 240
tatcatccaa gtaagcgtat ttcatatctg atggcagagg cttcaattct ggtgtgggtcg 300
gctggatagt ggtagaaaga gatggtttct tcacctgtac ctcataaaga aagtcagagg 360
tatgtgtact tcctanaata tggttagtcc tatctgactc tataaaatca atctcaagag 420
gtaaaacacc accaccagac atgcaatcaa tatcacttct agattcactc tcagcatcag 480
attcagacct atga 494

<210> 9921
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9921

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agttgtagca ccgggttcac ttcccttgct gtgttggaag cagtcgccgt ggtattatcc 120
tctatagtn tctaaagctt tagcatggcc ttcgtgatag aagccatttg atcttttaag 180
gccgataggt cggccctcat ctattcttgc actccctctt cattatccca tttcttagat 240
cgagtgttat angggtgcct ctacgctctc ttagttattt tgagttccct aaagaaacaa 300
acaatggtga gtatgccacc aaaacatgaa tatgctaata aatgatcgga gcacttgat 360
ccacctcaag attttagaat acatgatgag tttc 394

<210> 9922
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9922

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cataactgag ctcacctcct tgagaagctt ctgtaagaag attcctaaag aagctagagc 120
ttagctacac atacctctct aatagctaag ctcacctcct tgagatgaga agctagagct 180
cagctacaca ccctctataa tagctaagct ccccccatg acaanaaaaa catgagaata 240
cataaaaaaa gtccttacta caaagactac tcaatatgcc ccgaaatac 289

<210> 9923
<211> 239
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9923

attcgatgtt catcanatct ctgtgcgggc ttatctggaa catggacgtt agtgtggcaa 60
gggcatcgac catctgatta tctctctac gaatgtgatg aagagatatg tcatcaaaga 120
attctatcaa cttcctgatg taggcccgtt aaggcaccca ttcattggtct atggactccc 180
attcacctt tatctagtga attaccaagg ctgagtccac gtataccttg aacaacttg 239

<210> 9924
<211> 231
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 9924

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 tctacacaaa aggtacactt ctctatattt gcataaaggg cgcttttcct aaagactgaa 120
 agaacttgtc tgagatgtcc taagngatca tctatgctcc tactatacac ttaaatatcc 180
 tctaaattaa caactacgaa tctacctatg aaatccctta agacatgatg c 231

<210> 9925
 <211> 174
 <212> DNA
 <213> Glycine max

<400> 9925

aaagtcgatg ttgggtcat aaggcctaca aatggcagaa cataatgtac gttgggacat 60
 ctatttggtc aatgattcat aaagagggga atgccacat catttccatg aaacgcatat 120
 catgataact agaaattcat gccaaactta tcctagccaa tattcatgtg gaca 174

<210> 9926
 <211> 161
 <212> DNA
 <213> Glycine max

<400> 9926

ccgtgccacc ccggaagatt taagccaagc ccctactttc gaagggcaac tcccacotta 60
 tgaagactat ctccggccag acaatgatga aagagatacc catcttagcc ccctgctcca 120
 ccttaaagat ccgtcccccc atgaactacc ccaaccaaac a 161

<210> 9927
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9927

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 gaaacaagtc acttgaagaa ttgtgacttt tggaaatgta atttttgaaa tcagtcactg 120
 ngaatcgatt accattaagg tgtaattgat tacacatcaa cagatgtgac ttcattttga 180

attttgaaaa ttaaaacgtt tagagactct ggtaatcgat tacaagtgtt gtgtaatcga 240
 ttacacaagt ttaaaatgat ttaaaactgt taaacacaag ttgtaactct tgaaatttga 300
 aatcttaaca ttntanaaca ctggtaatcg attactacct tctggtaatc gaattcaaga 360
 gagtaaaact ctttggtaat gaatttgtga naacttcttg tgctactcaa tgttntgaan 420
 aactnnttta gtacttatch ttgatgagtc ttctcttgat tcttgaatct tgagtcttga 480
 atcttgatct 490

<210> 9928
 <211> 264
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9928

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 aaagggggag attggagaag ccagcctcat gatgatgatt caagtatgaa tcacagagtt 120
 ctgatgatga caaaaagtcc caaataatga ctttcaaatt gagtccacaa gttcaagatc 180
 cagattaatt tccagaatca tttgaagaaa tccagaaaat tccagattca agagaagctg 240
 atttcagat tccagagaaa aaat 264

<210> 9929
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9929

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 tgcatattct cttttgacac agaaacatac attgcttgct gtagcatgaa aacttcacag 120
 gataccctat ttacacttga caatgccaac aaagaaggca taaaaatagc atcaatgcaa 180
 gtcaatatgg aagaaaagga tccaggaggg gaagagagaa atgcccctgc caataagctt 240
 gacaataatg taccgcaaaa cagcaaagaa ctctgtgacc ctgcaatgga atntgctgct 300
 ggttcttcac cattgaaaga gaatcacaac ccagataagg gaagcagtca tgatactgat 360
 ctttaataaaa caccacaaca 380

<210> 9930
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9930

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tttttcgggt gttctccctt ctattatatt ctgagttctc gcactacata atgtttatct 60
tttttttgtg ttcttgaacc ttctacacct tgtgttgcat tttcgggtta tatctgtatc 120
attggttaat tctttttaat tgattntttg cagcccanaa gcttaaaccg gtcttctgcg 180
ttattttaac atctaaagtt gtgattttta acgccccaaac tgtgattntt atctctaatt 240
cctccctagt gcatttctat atcgagttct tgggtggagga acacactaaa gctgcgattt 300
tatttcaaaa ctctatgagt acaagttcct tttcttggtg attgctcaca atacataagc 360
tcaaataatt aattgtgttt cttttcttgg gactcctaca atacaacact attgatgcag 420
aaaggtggaa gaaacactaa gcttgatttt atctcaacaa gttgtttctt gatcttatct 480
acaaagcttg attt 494

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<210> 9931
 <211> 614
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9931

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cctnattatc gntntggnac ttttnangnn ncgancncc gcgggctcga tcgcgatcta 120
ttatgcgaca cttctatatc tcaagcttct nagecggggt ctgggagaca aacgtcaagn 180
gctctgcgat atgccaacat gatgcgccgt atactttgga tntggcacga ccatgccctc 240
ctgctttcca gctgggaaac tggcgaagtg gaggaacgcc cccgcattca cgccacgagc 300
ataatgtaaa cctcttacgg ttaaaagctc tatatttggg cctaagctat agagttccct 360
cttttgtaag gctctgtgcc ctttgttctg acccataata caacgacctg tctctatctg 420
gtcctggggc ctacccatct ctttcatttg atgtgtgctt acttttgtga acacgcagat 480
ccgatgacca gttccccgac gggctaatac ctggggaccg ctttctcgct ntagcctaca 540

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tgaatcgacc gtagatactg aatgagatgc ggacgttccc acactttaat attggtgccc 600
tcagaccaaa acag 614

<210> 9932
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9932

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cgtcgaagaa cgggtgaaac ctttgcgaga ttcctcacgg aaaacgttac ggaaacgttt 120
cggaagcgcc tcggcttaga ttttcttcac ggaaacaatt nttccaagca aattcgaaag 180
agagagaagt gcctaagggg ctggccccct ctttcttgct ttcctcccct atntatagca 240
aaatagggga ggtggttgcc gtccagctcg cccaggcgag ctgagctcg ccaggcgagc 300
tcagctcgcc caggcgagca gggttgcttc ctccagaagc aaccgccttc tggaggaatc 360
ttctggaggg cccaagtggg cctgggtgct atttgcaccc nncattttac taagtacacc 420
ccctctgctg tttttggtga ttcttttttt cgtaagtaca gaaacttacg aatttcgt 478

<210> 9933
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9933

agctntgtat cctgcttac tctgctatag gatagccttc tgaacttcca ctntgtctac 60
canaaaatac gactntgtca tcccacataa aacttacacc actgaggcac ctttgtaata 120
aatgcactaa gacaattatt gcagttgtat ctccctatac tacatcaaata gtaatcatta 180
tcatacatatt gtactctaaa ataataatat cgggagacgt cagcgctata tacgggtgtg 240
actcttcaca agtctttggt gcacccctca acaacagaga gtcaccattt aatttgctaa 300
ttaaatcggg cattatatcg atataacacc accgccactt acaacacttc tatacacata 360
tatctatcta tactgcacgt tctattcatc ttcttcgcat cctgccaaaa canattacan 420
cttctattca tcttctttgc attcttatgg ccacttccgc atcccgtccc acta 474

<210> 9934
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9934

tatattcttg tcaaaaaaac tgttttaatt ttgccaat taatgaaatc atcacaacac 60
 atcatcacta aatgaaggaa acatgtcatg tcatcacctc aatgatatca tgatgatgtc 120
 agcatgcctc atcaacacaa ttagtggaag atgcacctac actattacaa ataattntat 180
 tntacttaaa tatctttaat aaaaaaaag tgtcccttca aaaaaaatag tgttgtcccc 240
 acaagaaaaa tgttttttaa aatgaagata ttaaagagaa aatagattaa cttatatgtg 300
 cagaagataa ttgaata 317

<210> 9935
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9935

agctnnggtag aattttctaa aagcttactt tctaacctac ttataccaga aagaaacatt 60
 gtataaagtg tgtgcatgac attnttgcta aataaactag ggtaggccat accttaagta 120
 gaataagcat tataccttaa atgaacaacc taacaactta attatatgtg aagccctatc 180
 tcatacaagc atgatttgtg ataaaggaat tgaatccaat gtaatgattc gtatcttatg 240
 tgtgtgtacg tataaataga tggatagaga atggataata taatatgaca atgcttgtga 300
 ggagaaaaaa aaattgagat taaaagactc gctnganaat tcacttaagt aatgggtggtg 360
 atgagattat atcttcatta agtcactggt gtcactacta ttaacattac ataactnttc 420
 taaaaataat aatatatctt ctagctataa gtatcatatg attacaca 468

<210> 9936
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9936

agcttgtgcc acccacatna gcataagttt tcatggttgt gccaccaca tagcataggt 60
ttttcatggg tcctaccctc aattntcatg gttacaaatt tgagaatctc ttccataacc 120
aaatatgaac caagtagtaa aaaggtgacc aaagagttac cttttatcat caaccaaact 180
aactattggt ttcttcaaca gacctaaatc attttatatg ttggcttaaa atattggtcg 240
caaagctgat tatctacatc aaggaaaac 269

<210> 9937

<211> 582

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9937

gactgtcgac tgagtattta tcgtgtagag antngaacgt agcaaacatc gccgcggaac 60
caaccggtna nacactccag ctagaagttt nntaagnnnn nggnnctga taccttcgat 120
taccgacctc ntaatcatna agccctccaa taaattacaa ttacatgcga gagatatata 180
caaggtaata tttgtaaggt attttntctc cettatactg gattcatagt atatttcctt 240
gcataagata aagctattca taatatattt cctggtatac gataaagctg tactatcatc 300
ctggaaacag caactggatc gagaaagtta gaatcataat ttaaagaaaa ttacatcaat 360
tgcacataat gagagccctg agcttgnttg ctaatatataat ttgctggcat aattgataag 420
cactgttatt gcnacatctg gatattctta tgcaaaacag agttggaggc tatagtactt 480
ctcttaatat gtatttcact cggggactca gcacttcacg tgtgattatt ttatgaatgg 540
atggatgccca ttaacaata atgccactat gctttatatg ga 582

<210> 9938

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9938

agcttctgct ccaggatata ctntgagcta ctatggttat tcttgataac aaaatgatta 60
ggcagtaa atgtgtctta tttttgaact acaaggacca ctgccaaaag ctctttttca 120

taggtagata gagattgttg cttcttggtt agtgtcctgt tgaagtangc aatggaatga 180
gagtcctaca ttaaaatcgc cttatacca aaacctgaag catctacttc aaccacaaaa 240
tccttggaag aattangaag agataagaca ggagtagaag acagaaacta ttttatatgt 300
tggaaggcta atatcatcaa agaaaactag caaaaatttt ctaaagaatt gtttgaaaac 360
aacattcata aggccttgat aggttgagc agcattcatg aagccaaatg gcatgaacag 420
gtattcataa tgaccaccat atgttctgaa tgcagtctt 459

<210> 9939
<211> 184
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9939

tnccagacca atctaactat aagagatgta actcacactc aagctcgagg tcacacatgg 60
gccaatcatt atgctcagcc attccgcgaa tatggcgata cttattgatg taagctccat 120
tgagagcttg aggccagga tcttcttcat caatggattc gctctcttct tggaagataa 180
atgg 184

<210> 9940
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9940

agcttcacct tctggctctc ctcatagttg tggcatgaga taacatgctc tantttcatc 60
tcccactcca agtaggcctc cggatcattc tttcctttaa atggaggaat gttgagttta 120
ataccatcaa ttcggttttg tctaagaaca ccatcattcc ctcttctcct cctttcttct 180
tcattatgat ctctattctc catttgatcc aacctctcat ggagcgcac atctcggttg 240
ttcattaacc tttcatatg ttgcatcaaa gctagcattt ggaattgcga aagccccact 300
ccatcattag gattagtacc tgacatctca aacaaacaaa tcaaacgtaa caagacaatt 360
atagttgctg tttgaatacc tcacccactc aagtgtatca caacaatatg gcttttctct 420
aatgaaacac tc 432

<210> 9941
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 9941

tcaacattca atctcgtgcg tctcgatatg ttacgggact caatcataca tccgagaaaa 60
 aagtattatc gtttgaattg gctcacagct tcaacattca atttcgagcg tctcgatatg 120
 ttacgggact caatcagaca tccgagtaaa aaattatggg cgcttgtatt ggctcagagc 180
 ttcaactttc aatttccagc gtctcgatat gttacgggac tcaatcaaac atccgagaaa 240
 aaagttattg tcctttgtat tggctcagag cttcaacatt caatttcgag cgtctcgata 300
 tgttacggga ctcaatcaca ca 322

<210> 9942
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9942

tntgagctct atgtgctaag ggaggaanaa cagaagcaac caaataattc acaatattgg 60
 aaaactacgg agtggggaag gaatcagata tactatacag aatgtacaaa tggatcatcca 120
 gaaaatcatc ccgaataggt gagtccttat acacacgctc aatcctactc aagtgggtcaa 180
 ccacaagggt ctgtgcaccg ctccgatcac ggatctccaa atcaaactct tggagccaaa 240
 gcatccacct aatcaatcta ggctgtgatt cagccttctt caacaggtagc ttcagagctg 300
 catgggtcagt ataaacaata acacgagtag caagtaatta tgaatgaaat ttctcaagag 360
 gaaaaactat cgctaatagc ttcttctcag tggtagtgta attggcttgc gcagcatnca 420
 aagttctaga agcgtagtag atcacccgac gcagcttata aatctttnga gcatagacag 480
 g 481

<210> 9943
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9943

agcttcaatg gcggggtggat attaagtatt tctaanttgg tcatgtggcc actgngttgg 60
acatggngta tcatatgcct tattgttgtg ggattctaca ctgcctatgc aaactggctc 120
ttggcagcat ttcatttcat cgatgaccgt agattcatta gatacagaga tctcatggga 180
tatgtttacg gtgaaatfff cattctttgc atgatatcca aactntgaat taaatfttaa 240
ctgaagtatt ccttaatttc acaaggcaag agtatgtacc acctcacctg ngtcttccag 300
tttttgaccc ttcttcttgg aaatatgggt ttcatectcc tcggaggcaa agcacttaag 360
gtaaagtnta tgctataaat taagtttatt aagagtggac aaatgatgta aaagattntc 420
actatcgtcc aattccgata gtggattatc gagaaaaaaa aaactgttaa gattattgta 480
ataattatft tagaagtgat attata 506

<210> 9944

<211> 309

<212> DNA

<213> Glycine max

<400> 9944

aaacagtgcc tggaaatatg attcacttta gatataagaa atttgtttat tctgaataat 60
caagtttttt tatctatatg aattaaaat aagtacccaa agattttataa tattttatgc 120
actctattta atcaagtga ccaaactttc tttataacaa ttggttaaaa gagaaactct 180
ttaataacat attgattaat atgaaaaaat ctcgtaaaag tggataaaga ttagagtcag 240
taacatgatt gatcgaagg atacgtgata taacattagt tattatactt actaatcagt 300
ctaagaact 309

<210> 9945

<211> 482

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9945

agctngtaag ccttggatct tcttcatcaa tggagtcctt tgcttcttga agatgaatgg 60
caatagaatg gagaaagaag atgattggag atgccacttc aaggagaaga tgagtcaaga 120
agaagctcac caccatagga atccatggat aagagcttga aggtaggaga agatgagtag 180

agggagaggg agagaaggag cacaaaattt tgtgcctcaa atgaagtctg aactttgaag 240
 tggtaattta aatgatcaa agttgaanaa atgcacacac atgacctcta tttatagcct 300
 aagtgtcaca caatattgga gggaaatttg aatttctatt caaatntcac tagaattcgt 360
 agagccaaaa tttcactaat tatgattaat gagatttagc tatggtttag cccactaatc 420
 caagatcaag tccaatattc tccactaagt gtgcttaggt gtcattgaggc atgtaaaaca 480
 tg 482

<210> 9946
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9946

ncgggttttg angcattctt taatcgacac ccttaatact caagcccgcg cttattttat 60
 ntaaattcat aagatcatga gttactaagt gtgtcctact atgacttgtg aaaaaaagg 120
 gatcaaataa aaacaggcac tccttataac tgaccaatgc ccataatcaa aactggaaac 180
 cccacgaccc tgttggaactt cttcagggtcc actgggtgtc ttgcggggcg catccctgcc 240
 aacaatagat gacatcagaa atcagttgag cgatgtgtat tattacctat gttacgatgg 300
 cgtgaccttt gtgtggggac aggcacccgg tatgactgac agaggcctat taccagagat 360
 ggaaacccca gagccctgtt ggacttcttc gggccactg agtgtcttgt gggcgtgaac 420
 cctatcaacc atagatgaca tcatanatca attgagcgat gtgcatactc tactatgtca 480
 cgatggcgta acctttcttg gaggacgagc an 512

<210> 9947
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9947

tctcttagtc acctgcggca tgcaagctag tgtacgctat atttaanntt tttggcgaga 60
 aatatataag acatgataag gaataacgtg tgaatgtaag taaagaactc gaagatattt 120
 ctataaaagt atctgtattt taaaagtcaa ctaacaaaga tgcacaccat ctgggtgggt 180

cgттаacgтт cттттctcttc cacatgcatg agттccтттт aaaatagaaa aatcaatgac 240
 agatatagat tgacataata gттctcatgt ттccттcttc aatctттtggt cgaatagaga 300
 aagataatgt ct 312

<210> 9948
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9948

agctntcttc anatataaat тттctттnt cctattattn тaaattgctt aatatattat 60
 tgctcacact cttatgcttt ntgataagtg ccatatctag ttattттtggt gattaaaata 120
 ttagcactta tctттtgatt gтаatagттt ttcttataaa ctacccttaa atctagттgt 180
 тттatagata ttgtacattt actaaagctt atgtттaaat atgaaagatt caaccaggat 240
 тттgtaggct ctgatgгттg тттgттagat ccagaaacaa agtcaaaagg aaggгcaaaa 300
 тggtcatttt tcaagaattc agacattcac tcgcttaggc tagcttccag ctgcgatggg 360
 cтаataagaa ttcttcagcc атаagcaacc aacttgcttg ggtgagctac aactnntctg 420
 ngcgaattgg tgcttccagc actgagtcac таattcgctt gggtgagcta catatgcc 478

<210> 9949
 <211> 503
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9949

agcttgaagg gtgcgtagcc caccatattt catagtagaa tatcgataat gtgtctacca 60
 tcacgattat cgtctcттt тccatcattg gaagtaccac ttngnctgcc agatccttct 120
 acctттgggt gtattctттg aaggattcat gctcттттnt gcacatgttc tgtagттgca 180
 tcatatccga agccattata ctgacaccgc cтаacgaagg caaccattag gtccttccaa 240
 gaatggactc gggaaггттc caagctagtg тaccaggtaa cagctacccc agтаagactt 300
 tcttggaagg aatgtatcag caattcctca tctттtgct atgccncat cttccgacaa 360
 tacatcttta gatgгттctt ggggaaagta gтcccttggt acttgтcaaa gtccagcacc 420

ttgaacttgg gaggggtgat gatattgngc actangaaca actcttctag gttagtaaag 480
gcataatctt caccttcttc aat 503

<210> 9950
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9950

agcttctnnt gagaaacttc cttgagatgc tagagcttat ctacacacac ccctctcata 60
actatgctca cctccttgag aaacttcttt aagaagatgc ctaaagaaac tagagcttag 120
ctacacatac ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc 180
tatacacacc ctataatagc taagctcacc cccatgacaa anaatataaa aatacaaaaa 240
aaagtcctta ctacaaagac tactcaaaat gccccgaaat acaaggctaa aaccctatac 300
tactagaatg gccaaaatac aaggcccaaa agaaggaana accaattcta atattttacaa 360
agaagaatgg gtccaacctt gacccatggg ctcaaaaatc taccctaagg ttcatgagaa 420
ccgtaggggc ttcttttagta gctctagccc aagcctctta gagtct 466

<210> 9951
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9951

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gctgccattt atcttgcaag aagcaaaaga atccattgat gaagaagatc ctatgcctac 120
aagctccaat gaagctttca tcaaaagtca tgcttttata gactcttcat gtctgggtcga 180
agaaaccatt ggaagagtta tgacttttga gaaaaccatg ttaaaagtta taactcttaa 240
ctctttcttt aaaactattc actggtaatc gattaccaca atgggtgtaat cgattacaca 300
atgtatttta tg 312

<210> 9952
<211> 269

ggcttacatt ttcattttct gaagactgtn ttcattctca aaatattaga attatgaaaa 360
 tatgtttggg ttgactttct aattttctact ttcaggagat aaaaatactg aacatctatg 420
 atatattgaa ttctngcttt ctttatattt tagaattgct tganatacat tcattgcac 480
 acatttcatt tac 493

<210> 9957
 <211> 606
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9957

tccgctcacc taccgtgcac aaggggtgca cattctggat gtactttcgg ttgagnagtc 60
 ngagcaaggg gnaatagggt tgaanccatt gtaactgctc nnccttttnt ntatgtgaca 120
 ctctataata ctcaagctag tgtaccttgg agatacanaa gctcatcgta ataattctcc 180
 gttatttatg acacagcagg tgcactgtag cttcgtcaca atgactactc tgtgcatggg 240
 cacgtcatca tcgtttctta tatgtactcc tgatgtctac atcaacacac tcaactgoggg 300
 aactaccan aatgtgtgac gattgagcat ctcatattcc actttgtact attccgaatg 360
 atctctcca tatgagatgc gaccctatgt caatccctaa ttttggtctc cttgcttact 420
 tcaaataatg actagaatat tttcctctga ctacacgtga tttcggtacc ataatccaac 480
 acatgtatac ctctcgtgat agtgggattg atgcctaggc ttgatgcgct tcaatcgcag 540
 ttcattttctg tataactaaaa ggggtgcctat gatgacgact cacttctaac aggcgggcct 600
 cctact 606

<210> 9958
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9958

agcttatacg catatntccc tacgaacgtt cacttgcaca agacatccta ttaactaaga 60
 aaaatgcacc catatacaat caaggtagct tcattaccta gattatttac atgtacttcc 120
 aaggtgtatt tgttatttac atcacacacg cctccttggc tgaatttaca cacatgccta 180

ctcaaagcat tttgggttac caaaaaaat tgcacatgcg ctctctcttg tatttctaata 240
acctatacat atacaaactt cagcatgaat ctgactacc tacacaataa ggtgctacat 300
ttcatgcctt tnttttcaag tttttgctac ctaaagccgc atgcaaattc aagcatattt 360
tcctttgctg actaaanatg tattcaaatt aaaagggata tatnttttgt aatatgggtt 420
cttcacataa catgcaacgt atttatac 448

<210> 9959
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9959

aaagagtagt tgtgcatgac agagaagaat atgtngatta tcattgacca atatgaaagg 60
aagatggatt nttncattat tcaaaggcag gcgcctaaag atgaacaagc aaagggtgtt 120
gccctacacc cgaaagaaag tatggaagag gtgatagagc tatttcacaa agaagacatg 180
aaatggatgg atagattcac tctcagcta aattaaagtc aagagctctc aaagctgcaa 240
gctaaagcca acgagatggc tgacgtatac tccactcttg atgaagttca tagtcccttt 300
tactacgaan aactctatca aagagaacat ctcttggtga tcaggtctag tggaagggtac 360
atctcttatg gaaggtacat tactaaggt caaagagaac aaaggaaggt acatcccttg 420
tggatctttt gcttgaaa 438

<210> 9960
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9960

aaagtctcca cagaggccat tgctccctc gcccagtatt atgatcagcc attgaggtgc 60
ttcacctttg tggacttcca gctatcacc atggtagaag aattcgaaga gatcctacga 120
tggtctctat ggggaaggag accatacctc ttctcanggt tctaccctc attggccaga 180
atttctaaaa tagtccatat ctggcgag gaattagacc gccaaaagca agtcgaaaat 240
ggggtgtgta tgaataccca gacaatgttt gga 273

<210> 9961
 <211> 559
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9961

gacgtgtccc attgaaccct agtatactnt tcgtcgacct gcaagcatgc aagactcgta 60
 cagtcgggggt gttctaacca ctatatgtga tttctcaacg ctctattctt cagctctatc 120
 acatgtgttg gagctagcac gcgagtgtaa atcaagccag gcttctctat ctccattaca 180
 tgcctcccta agagttataa ggaatctcga accgtcgctt tctgagataa attgtctcac 240
 atcctgtgca taatgaactg ctgaatccta tgagaccttg aagaacgagt gttaagagtg 300
 acaccattaa ttctgaagcc gcttgatcgt atacacaaga gaacctgcga cagaccgggg 360
 ccatggttta gcacatatat atatatatct tcttcaacta gccagatgtg atattgaatg 420
 tctcttgtgt gagcagatag gatgatgatg tattcataac agtaataggt gatagagctt 480
 atgtctctaa tcatacgtg cctcgcggtta gtcgtctgga tacagaacag gctaattcac 540
 ttgctttaca tgtgacccg 559

<210> 9962
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9962

gaactgggga catgattctt gttegttatc attcaaattc ttttatatat tcttataaag 60
 tttgaaacac tctcaaaaca ccttgcatat cttgagagan aagactatga acttagattt 120
 catattcggt tgtaagatga ttaagagtta gtcactcaac aaacaaatct caaaaaaat 180
 ttatttgatt aaagctagca atgacttggg aaggcaaaga atcttggggt gtctcaagct 240
 tgggtgtaaag cttgagttgt agagttggaa gtgacataat actagtatnt ttgtggaaat 300
 agtggaactg gattagtagc caagaactag atgtaatctc aatgatagag acaagccaat 360
 aataaatctc tatgtcatat acactnttat gtttatcttc tctttttaa 409

<210> 9963
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9963

cggggctgan ngccttatta gtcgcncctc tatactacag cccgcntggt tgagttgatc 60
 cacaaagctc tatagaaaag gtgccgatct tccaatgaag gtgatgcttc atacatcata 120
 tgggtgtgag tcaaaaaaaa aatgggaaac ggggtccaaa agaagcttga ttaaataaga 180
 tgtggtttgg tcaaatatat ttttggctctg ggtggggtaa agtacaagtg tcttgggttc 240
 cattggataa ttgtggataa tgggactagg gattatatta tggctgatga agtactgggt 300
 cacggtttgg ggtgggaatt gtattgcgct tgatattttc atacacttca catcattgaa 360
 gaatcttatt ttggcgaata attgaaatca agcatttcat gcctttattg tccacaagtt 420
 ggactgggtgt ttttttaata ttccctgctc attacttgag ggggtcaaacg aaatattcat 480
 tectggctaa tggtctgg 497

<210> 9964
 <211> 520
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9964

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 gtggtacctg gagatatgtc ngcgggggtca ggagaccttg nggacgttag gtgggggtgct 120
 attgcctaaa accaagcttg accaatcccg acccaaccg ggcatagtca gtcagtgaga 180
 acctgtgatg tacctaaaca ggcgagctcc tggcagtcaa ccaataaaaag aacaaagacc 240
 acaaagtaag gaggcttggtg tgggtggctgg ccagctatgg atcttgagtg atatctggaa 300
 tatggcttct ggtaattgat taccaacggt gtgtaatcga ttacaaggct tanaaatgaa 360
 gacaataagt tgagatggcc tctggtaatc gattaccaag gagtgttaacc gattatcagg 420
 cttagaaatg gaaatgggat gttgaggtgg cctctggtaa tcgattacca gtgctgtgta 480
 atctgatata cagagtaaca ggccactggt aatcgattac 520

<210> 9965
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9965

agctngatgt gagaaagcgt ggaagagtca gtcttcctgt ctttatttgt tgaccacaga 60
 gtggtacctg gagatatgtc gcgngggtca ggagaccttg tggacgtcag gtggggtgct 120
 attgccccaa accaagcttg gccaatcccg acccaaccg ggcatagtca gtcagtgaga 180
 acctgtgatg tacctaaaca ggcgagctcc tggcagtcaa ccaataaaag acaaagtcc 240
 acaaagcaag gaggcttgtg tggcggctgg ccatctatnt atcttngtg ttatctgana 300
 aataccctct ggtaatcgaa taccattcgt gggtaattga ttacaagggt taagaatgga 360
 gacaggatgt taagtagctt atggtaatcg attaccaatt gtgtggtaat cgatacacag 420
 tatgataggg cactgcgaat caattacc 448

<210> 9966
 <211> 614
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9966

tccgtcatca tctgtgtcgg cgnatacttc ggggtgatag tggactataa gtantgtggg 60
 nnacacntnn aanacgaagg gttgacgcc tcgttatgcc gcccatagat actcagctct 120
 atctncaggc atanaatgat tgttcttcta gctctagcaa tcatctctga tttctgctct 180
 tgacgtacag atggacacat gcttgctct acctctatag cccctgcnc a cgcctcgctg 240
 catcaatata gcttccatcg tgatgctgca taaccgcaa gcatttctcc cgtgaaacgt 300
 ctctatatca tacctttggg gctcccatct ttcttgatct tgatacctgt ccacagacag 360
 cgccactcgg tggctctagc tataaattct gctaccctta atctgcctga gatcataaaa 420
 caagataaac acagataaca gagcgaagct ctacacagca gagcaagaac ccacacatct 480
 acgtgggtcg ccacgtgect acattcacgg gaaaacatac ctcatcattg atcgattgat 540
 catgacatac tgcggaagca aagtttatga tgcatacta tcgactccac gtgtcgtggg 600
 gaccaccatg ctcc 614

<210> 9967
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9967

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 ggatgccccca cattatttcc atgacacaaa tgcaaaaatg atgatttgga aattttatgc 120
 aaaactggtc atgcatgcac ctatgctggac gctcaagtgt caaatntta tggatcatgtg 180
 atgctagggc tcaagattca tttcctctat tttaaatcaa cccaatgttt ccaaaatag 240
 ttctttttatc aatttggtgca ttcctccaag tccatttcgg gcgtccggng agaatttcac 300
 agcattcacc cttcaggtgt agacancgtt tttcttcaaa aatcgggttat gaatcaatga 360
 attttttttc aaagaaaagt tggaaatcat ctcttttcan aagcatgtcg gttnttagct 420
 agacaactta ttttctcttt tccaccttct tnttttttt atcattatca tttgggttatt 480
 tc 482

<210> 9968
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9968

agctngatta anatattnta tntagttntg gttcctcttt ctgtataact tcttacactt 60
 ctaatgtacc ttgggttatgt ctcttttagc attttattct gataaactta ttatccatca 120
 tgaaaaaaga aacctactct ttttttagcag atttttgttt gctttgtatg atattaatgt 180
 tggaacaggt tggtcgaatg acattgggtg gattattggc tcttggttac attgttggtg 240
 ttagttacaa gcgtgcctcc acaactgtca ataatggcaa nggttcaatg tcttttagaaa 300
 ctattgatgt tcttggtgag acgttcatgg tgatgagagg aactaataga aaggatatga 360
 cttttttcct atcacactaa atttatgtcc atntaaaatc caatcttctt gattgcattt 420
 actctntact ttcaagttac tcatcagtca tcatgttcac tttatgcaaa taatctt 477

<210> 9969
 <211> 274
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9969

tcgccgagtg gagecgnctc ttctncagct tcgactgcac catggtctac ctncgccaga 60
 aagatgaccc ctggaactcc atcttcggcg gcgccggcac cggcggattn ctctccatgc 120
 gccagggcct ncccgccagc gcccgcttcg ctgagttcag cggcgtcctt ctcgctctca 180
 tcgaaggcgc cgcatcatg ctcaacaagt tcctcatcgc gcagcaaccg atgccgatga 240
 ttgtcgatga gcctcttcg nctaacgggc tacc 274

<210> 9970
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9970

agctttcgat tcattctatg taccatagtg ggtccacatt gtgtttcgtg catttntatt 60
 ctcgttntgt ttacttttta taccctctgt tgacgtgctt aagccatttt acttaagtcg 120
 tttctcgctt aacttaaaaa taaaataaat ttccaccgaa cgtttgaatt gtattatcca 180
 ttaacttcgg ttaaaataaa ttccgactgt tcggtcgtgc cataaccacg ttggaaatca 240
 aaaagaggta aaaaataata taataatcaa aaagacatct tttagtaaaa taaagcggaa 300
 aatcaatcgg acgttttctc tttgggattt ctcatctta atcgaattga ttaataacta 360
 aggtgaaaca aaggctaana tcaactcgcc tagtcaagct cgtccacaaa aataggcttn 420
 tgaagtttgt catttcaatt tctctctaag taaaat 456

<210> 9971
 <211> 56
 <212> DNA
 <213> Glycine max

<400> 9971

acatgatttc acgcctctct ctctctcata acaccggcca aacaacccta gaaact 56

<210> 9972
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9972

agcttaataa atcaatctat ggctngaagc aagcctcctg ccaataggta ttgaagtttc 60
 atgatgtcgt cacttcattt ggctttgaaa agaacatcat ggatcaatgt atataccaaa 120
 aggtcagtgg gagtaagatt tttttcttgt gttatacgtg gatgacattt tgcttgcaac 180
 taatgataag ggtttgctat atgaggtgaa ataatttctc tcaaagaact ttgatatgaa 240
 ggatatggga aatgcattnt atgtcattgg cattaagatc catanggaaa gatctcgagg 300
 aattttgggt ttgtctcaag agacttatat taacanattt ttagagagat ttaacatgaa 360
 agattgttac caagtgtagc tcccattgtg aagggtgaca aactcacttt gagtcagtgc 420
 ccgaaaaatg aatttgagcg ggaacacatg anaaatactc catatgcttc acgctgtgga 480
 agccttattt atgc 494

<210> 9973
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 9973

tactcaattt atttcacaca cttactcact tgactatacc aaccctttct gtcaacaatt 60
 tgtaagatct ctcatcataa acataacatg tgctatacca tttatatgtt tgtgacacac 120
 aggactggaa ataacactag caatatgtta atggataact cactttataa gaaaagtaaa 180
 acttctctga tgaagatctt gcaagcta attggtcttct ttataatacc cgcgcccgag 240
 aatagtagat aagtaacttg tagtcagaaa aatagtgga agcagcatat tctggctcgt 300
 gaacattgca agccatgaat gccgaaataa tgagaagtat actgcttata cctcggttaac 360
 acctaaatgc tgcccataac atgctatctc atttctattt a 401

<210> 9974
 <211> 261
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9974

aacatccttt agaatgctag ctggttgaaa tcaagcttaa cgaggtggat atagataaat 60
 aataggagga aaaaagtcgt aaaatataaa attctattaa aactttttaa ttataaaaag 120
 atatttataaa gttaataaaa attacaaaga atagcaacta tttaatgtat tagttgcaca 180
 tacttggtta aacaaatgtg tgacttgctt tggcannaaa atgcgtgagt tgcaccttat 240
 ataagtattt cattcatata t 261

<210> 9975
 <211> 473
 <212> DNA
 <213> Glycine max

<400> 9975
 agcacatgga cttgagtgtt gtccaatttc atccgatctt ttgtaatact caccaaccgc 60
 tattagaatc taatacatat tcaactcttt tgtctaataa gttcttctac tttattcaag 120
 gtaatttcta aagcatgcat tgccccagat ttctcatgca gtaagtaaac ataaccataa 180
 cgtgaactag cctcaataaa ggtgataaag tatctctcct tcccaaaga actaacatca 240
 atagggtccac atatatcagt atgcaccact ctaagaagct gagtgggttct ccgagcctct 300
 ttctctcgat gattagttgg tgctccctga tacaatccac acagatatct agatcccgta 360
 gatctagatc atgaagaatt tcattctgta taatcattcc atcctcttct caaaacagcg 420
 accttaacct ttatgccgca agatagccag atcgtccttc actacactac ccg 473

<210> 9976
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9976

agcttccttg agaagttaga gcttagctac acaccctcct ctaataactg agttcacctc 60
 cttgagaaac ttctttgaga agattccaag agaagctaga gcttagctac acacaccctc 120
 ataatageta agatcacccc catgcgcaaa tacatgaaaa taaaaaaaag tccctactac 180
 aaagactact caaaatgcc tgaaatacaa ggctaaaacc ctatactact agaatgacta 240

anatacaacg cccaaaagaa ggaagaacct attctaatat ttacaaagaa nagtggaccc 300
aaccttggcc catgggctca aaaatctacc ctgaggttca tgagaacct anggccttct 360
ttagcagctc tagcccaatc ctcttggagt cttctatcca atacccttgg gggggggg 418

<210> 9977
<211> 363
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9977

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gttctttctt tttctaacat acacactagc tcagacttat gaaaagaaac acaaattcca 120
tcacaatcat gcattcaatc caaaatcagt ttataacacc aatttcacaa aaagataaaa 180
gtgtttcact gcataatcat caaagtcaag ttaaactggt ccatatgctt caaaaaaagc 240
ataccaacta ttcacaagaa gtataaggat ataattacta acgaaaacca aaattactca 300
aaataatgta ctgaaactaa tataggtata attattatcc aaaaagcana ataatcaaga 360
att 363

<210> 9978
<211> 257
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9978

attgcatatt ntgtccacta tgtgttttaa attgaacaat cttaatctat tatacaatat 60
atgtattaga cactcacatt attcatcatt ntagcatatc aatgtcacat cattactaac 120
atgagacatc aatatttttt aaaagaatta atgaataatt aacaatgaac caaaatgact 180
aaatttaaaa aatgtgggga gtgaattaat ttgcaataaa gaactttaga atcaaaatta 240
catcatttac aaaacaa 257

<210> 9979
<211> 422
<212> DNA
<213> Glycine max

<400> 9979

cactctatcc ttctgataac tcagcgacac taggaagatg tttgaatact ttaccatcca 60
tcatagacgc tagaggatct tgcaagtga aagttcttat cagatatgtg acgtgtctta 120
ttctattaat attgttaaca acgacaaaac tcaggcttca tctcttgaat cttgtcgatc 180
aaaccgtcca aagttgtctg agtttgcttg agaaaagcct tggagtaaaa gagtatgtgt 240
ttctccatgt cttggaagcg aggggtggtca ttgtgagacg ggccacataa aacaacctct 300
ggagtgtagg cttcttcgat gtgtattctg ttactaaatg acactttgta gatgcaacat 360
tctagtagta tgggtgccct gggccgctca acatcttctc atattgatct tacaacatca 420
cc 422

<210> 9980

<211> 235

<212> DNA

<213> Glycine max

<400> 9980

atacaatgca gcttggatc aaatttgccg cacaaaggaa tgagttacgt gatcttacct 60
tactacaaag aagctgtggc cattaacgtg ccatgactcc acagtgtctt cagtgttctc 120
aaacacaacc tctattaagc ctccgaaatc ggcttccatg acagaagttt gaatggagcc 180
accactacca atggggtagt caaggatact ttccaaggag aacacccctt ggatc 235

<210> 9981

<211> 411

<212> DNA

<213> Glycine max

<400> 9981

agtatggcgt acacattgca tgtctgatat gcctttttaga ggcgtgaaaa gtgcgagaga 60
atgagctgtg ttttctagaa aacgcgatga actcgctaag caagcatgct gactaagcg 120
agttcatcaa tactcattgt atgtaagcat tatttgaaga actcgctaag cgtgcttacc 180
gcgctaagcg agttcatcct ttgagaatga aactcatcc tcttgctgaa ctacttgtgg 240
ctaagcgagg ttgaatcgct aagcccacgt aacttaacca attttttttt tgggtgataat 300
cgcgcgctaa gccgagcatt cctgagccaa gcacaattgg ttgtggcatc cgctgagcta 360

agcgagcttc actcgctaag ctcccaacac ttagtgaaga ttttgaagag t 411

<210> 9982
<211> 192
<212> DNA
<213> Glycine max

<400> 9982

catgagcttt cccttaccaa cttcaccaat agcattacca ccattctctt catcatcttc 60
ctccttatca ttcaactcat tctcaatctt ccacttccc ttctttttct tgggtctggat 120
ataccctatt agctaataag ccaaaaccac agtcctgtc atctgactaa taacaatgcc 180
agcaacagca cc 192

<210> 9983
<211> 533
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9983

gatctctaag tcacctgagg catgcaagct ngccgcagct gctaattggcg atatagcctg 60
aaccgtcatt gtcattggcg agggagctgc ttacgtggac atgtcgatcat tgttgttggc 120
gagaccggct gactctggcg acgtggagag agtcgccaat gcttctggcg atatagggtg 180
caggagtggg tctcgtcact ggaaatggcg agactgggtg cggcggattc tcttttcctt 240
taaataaggca gcctttgcct tgaaaatntg tagtagtctt gataaaagaa agcacagagg 300
agcgtgttta atcaagaatt tacaagcctt actttcatta tctctagata gccagctnt 360
tgccttgaag tttctcattc catccttant tatttgaagt aacaatctat attgttgttc 420
agtcaataat atatcagtct tgcattcatt cttttcaagt taagtttttt gaataattgt 480
atcatntaca aattatttat tttcgaagta ataattttgt gggtagaatc aat 533

<210> 9984
<211> 87
<212> DNA
<213> Glycine max

<400> 9984

aactattgat accatgatgc ggctagatat ttcatttgat gtgaatagtt gcaatcaatt 60

ccttaatttt gtgatagcca ctgggat

87

<210> 9985
 <211> 534
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9985

atcctctgag tcacctgccg catgcaagct tgtgcattga agaaaaatta aaaattgtca 60
 tagttacagc gccgacacgg ccaaattcca acaaagaaga aaaaagataa agatagaaga 120
 cacgtagaca taggcatcat tgccttgctc cgcaacaccc tgcccttcat cagcagcctc 180
 atcctccact ataatgtatt cttcatcaat caggacacca tccttcacat ccttgaaggg 240
 atcgaagaga cccaagtcaa gttccttcgc aaagaaacca gcctgcgtga aggccttctg 300
 aaatcctttt tcaagctgct ccaggcctcc ttcttgtaga gaaagagctc ttctttaagc 360
 tccttggttg cctctctttc attggctgcc cgtaactcag actcctccaa tctggaccnc 420
 aactccttaa gccaaagcctc taaattagaa actaccttgg ctagccagtc cctttaaccg 480
 ccaattnttc caccttctca ccaggccct tcttttcacc tgtaagtctt gaggc 534

<210> 9986
 <211> 451
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9986

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 tgatcttcat caaagattct acacatgttt gtcaactgtg caaagttgtg aataccgtga 120
 tagtttacca tcatctttac ttctggttga aggccattga caaatttcac gcatttggac 180
 ctctctccag cttccnctt tataatgagg aaaatacctt acaaggttct caaacctcac 240
 cgcatactct gccaccgtca tactttccta ttccagctcg agaaacgtca tctcctttct 300
 attcttacat cttctggaaa tacttctcag aaaagtggtc tttagtctcc attgacaaca 360
 caccctgct cctctgactg ggcgaggttt ccacagtact ctgctcattg tacatggagt 420
 acaacacact ttgtggtcta catcataccc g 451

<210> 9987
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9987

agcttcaaca ttgaatntag agcgtctcga tatattacct gactcaatca gacatacaag 60
 tgaaaagtta ttatcgtttg aaaatcctca gagcttcggt attcaatttc gagcgtctcg 120
 atatattacg ggactcaatc acacatccgt gtaaaaagtt attgtcgggt gaattagctc 180
 tgagggttcag aattcaattt cgagcgtctc aatagattac cggactcaat cagacatccg 240
 agcaaaaagt tattgtcggg tgaattagct cagagcttca caatttaatt ttgatcgtct 300
 caatatatta ccggactcaa tcagaca 327

<210> 9988
 <211> 253
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9988

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 caaattcaaa cgacaatatc tttttactcg gatgtctgat tgagtccgc aatatattga 120
 gagctcgat attgaatgtt gaaactctga gcttattcaa acgacaataa ctttttactc 180
 ggatgtctga ttgagtcccg tnatatatcg agacactcga aatggaatgt tgaagctctg 240
 aggatattca aac 253

<210> 9989
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9989

agctntctcc ccaatttcta taaatagggg gagaagtgtg ttggataagg gttcagcccc 60
 ttaggcactt ctctctcttt cgaattntct tagaaaaatt gtttccgtga agaagatcca 120

agccgagggcg ctttcgtaac gtttcctga gtgatttcgc gaaggttttc gaccgttctt 180
 cgggtgttctt cattcgttct acatcgttct tcagtcctca acgggtaagt acctcaaacc 240
 aagctttttca attcattcta tgtaccgta gtgggtccaca ctctgggtca tgtattttta 300
 ttctcgttnt catttacttt ntatancccc ttttgacgtg ctttaagccat tntatataag 360
 tcattttctcg cttaacctaa aaataaacta aatt 394

<210> 9990
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 9990

tatgaccatt tgaatttcat gagagcattc attattcaat ttctataatc togatacatc 60
 atgggcctca atcatactcc catgtcaaaa gttatggcgc cttgaattgg accagagcctt 120
 caatgttcaa tttcgaacgt ctgatatat tatgtgcctg aatctaacat ccgagtgaag 180
 atattctacc atttaaatgt ctagagagca ttgcgtatct aatttcgagg gtctctgtat 240
 attattttcc taaatctgac attcgagtga aaagctatga cc 282

<210> 9991
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9991

gcttatacat cgtggctcta gaatcatatg gaagaaagat ggggtgaaac tagaatgaca 60
 gaacatgcat ttttctgctt gagactgcc tagcatagcc atcactcacc gagtcaatcc 120
 agcaagaaac ttgcacgggt ttgtttccct canaaaatct cttacactcc aacctcttcc 180
 cacgtgcttc agcctcattc cctccatact ccatccattc aatgagcaac tttcacgacc 240
 aanaaaattc tgaacccaaa cttgtgccta gcttttgctt tgcttcctca acacaaagca 300
 tggccaattc cctatgcctc acagttcctt gctaaagntt gcattctcgg tagtgattnt 360
 ggctntgagt gcgccttatt atatcgggtg ggagagactc tgt 403

<210> 9992
 <211> 486

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9992

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gttcacatcg tgtaagagtt agcttatata tgttctagtc aaagtcgtat atatgtttaa 120
tttattctca aataaaaaac aaaaaatagt ctcatattgt aaaaatctta aaaatagtct 180
catattgtaa aaattgttca attcgttctc aaaatagttc agaaggatca ttggcctata 240
tatgttctag tcagagtcgt atatagagat tataagacct aaaataacaa ttacttccac 300
atttaattta atacactttg ttaatttttt ttaagaaaaa ttgtgagttg ctatcttaaa 360
tattattcac atgtcaaatt gactcaatta aagaattaaa ttaatttatg tatacaaaat 420
atcaacatga aatacaatnt taactaaatg tgtgatgtta taatcaatan ttttcgtcaa 480
atatct 486

<210> 9993
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9993

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gcatgtgggt gtacaaagcg aaattccagc ctcatggcac tatggactcg cacacagcta 120
gactggcact aaaggttaca cacaacaagc tggattgat atccggatag cttctctcca 180
atgtcgaact taccttacat agaatccctt tggctgctgc aactgctcaa aataggccaa 240
ccctcactact cgatggggat aatgcctctc ttgatgggtga actatttgac gaacgggtata 300
tggaactcc acagaggaca ctccattga tataaccttg gctgacgtca acaatccatt 360
atggcctaga aaacatntga caggatttat aaccctctac acacttatga aataggctct 420
ccaacaagaa tgacattctt tttaacn 446

<210> 9994
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9994

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aaaccagcag aacaaacaac aagactcttc aattagtaaa attatcaata ataatggcag 120
tagtcaacca tatcactcag tcaactgtctc tctctctctc tctctctcac acacacacat 180
acacacacat atataatata tatgagaaag tatcatataa gagctcatcg ttagaaatga 240
agaagactac anatatagac cattagatcg tattt 275

<210> 9995
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9995

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caaaaatatt attaaaagac ttggtagggt ttatatattat attttaaata ttagaaatat 120
atctcttttt tgtgtatata atcttagtct atttatcaat taagaaatta cataaatgtt 180
tccaggctat atatgattgt attgtaaaca atttgtcatt aaagtacatg tacaacata 240
catatttgac taattataac ttataattgg attaaagaaa caataattgt tggttctatt 300
ctctcttttg gaacatatga tttgttgaaa atattgtagt tgttgattct aaacacatgt 360
aaagcgtgta gtatcctcta tattctttta anttcgtntn tatatatatt atatatatat 420
atatatatat atatatatat atatgtgggc ggcggccgtg tgcgcgcgng ccg 473

<210> 9996
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9996

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tcatcacaca gcagaaacct atctagacta cgcacatcat ctcccccaac cccgtaccca 120
cgaaaatcca cagagaatag aagtccaccc caacctgaat ttctgaagac ccactccgag 180

ccacgcactt tacgaccccg aaaatgccct cctttcgcga tttggggcag aaatgatgag 240
ccaaggttga agctttgctt ggagctctca tggagaatga agataaaaaa aatggccacc 300
tgaaggagag aagagctcgc tgaaaagtgg ggggctgaat gaacaagaga aaaacctttt 360
ggtntaaata aaaggttttt cttttttatt atttattcag ctccgcccat gtcctattga 420
gtggagccaa aagcgcagct tccttttact gtaccac 458

<210> 9997
<211> 524
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9997

acggtgaatc atgcaaccct gatctctaag cactgcagct gcagcttaca tgaagtacat 60
tatgaaactt attttggttg tatcttaatg gtatgtcacc ttcacactga caatngcctt 120
aagttaaaac cttgtgctgc gcttgattta tttaatgtga gaagtcaatc ctttaataata 180
gaacgttgat gaaggtcatt tcttccccca tagaacaccc aataattaat ttattggggtt 240
ctaccttacc aattggctca tagagtatta aaaaccttag attttatgtc tgcacacga 300
aatctgtaaa atggacaaac ccataattga caaagtgata ttgtctcgct aattcaaagt 360
gcagtgggaa ccaacaaact tttatgatta atgaggtgaa atattgtgca gctctcatan 420
atatgttgca ttaggaacat ggggggtcta caattttttt tgatacaggt agacgggtacg 480
tctactggaa gtcacctaat attatggtga ctctatgatt atan 524

<210> 9998
<211> 294
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9998

ttatcatact aactcattta caaaaatcaa gcagtcacag aanataaact tggtttcaag 60
tcataataat attctaaacc ggtaacttct tgatagttct gatttagttt ttcacccaat 120
cataaatcct tttaatagac atcagtgaag catatactca acaatacttc agctgcttac 180
actatacatc aatagaccaa aactatgatt canataaata ganaccacag atacacttat 240

acttaagtag taaaaataca aacctttgta gttcctgtat gttcattgga aaat 294

<210> 9999
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9999

gcttcattca ttataaacat ntaataatnt aacatttagt agatacatgt tagtcacatg 60
actnttaata gaactntatg tctaaaatat tctcatattc tttatcttaa ctccacaaaa 120
agatatgaca tcatttttaa cctgaaaata ttttaacatt cttcactctn tttctttntt 180
ctctaattgg acataaatcc agtttttcat tgaacatgaa ctcacctcgt tggtagcat 240
gggtgaacat ctcttcttct tcttcttctt cttcttcttc ttcttttctt cttagntcaa 300
tttttttggg cgtgttaggt cgtttgggtg ctacattntn ntgtggacgt gtttccaaca 360
atgcctatga atatg 375

<210> 10000
<211> 193
<212> DNA
<213> Glycine max

<400> 10000

ttatgtggaa tcctctgtca tgggacatgg aagcggtgc tatcatggcg atcgattgg 60
ccaatggagg gcgaactatg ccttctaaaa caagaagaat caaaacagtt ctatgaacat 120
gctatataaa agatgtttct cttccttatg agtgtacttt taaatgtgtg tgtgcaaac 180
aatgagata cag 193

<210> 10001
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10001

agtcacctgc ggcattgcaag cnttctcccc attntcttat aaataggggg agatgtgaag 60
agaaatttcg ttcagccctc ctggtaattc agaactcatt anaattagtg aaaaaaattg 120

gttccgtgaa gaanatccga gccgaggcac ttccgtaacg tttccgtggg tgatttcgcg 180
aaggttttcg accgtttcttc gacgtttcttc attcgttctt tgcgntctt cgggtctccaa 240
ccggtaagtt ccctaaatca aacttttcaa ttcattctat gtacccttag tggctctcat 300
ttngctttac gtgctttcat ttacatttca tttacttccc gtacccccctn ttgacgtgct 360
ntagtcattt gctttaagta ttntctcgcc taatcaaaaa ataaaataaa tttccaccgt 420
tcatttgaat tgaacattcg ttagtttctg gtaaa 455

<210> 10002
<211> 427
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10002

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taaaaagtaa ttgtcgtttg aatttgctaa gagctgcggg attcaatttc gagcgtctcg 120
atatattacg ggactctatc agacatccga gtaaaaattt attgtcgttt gaatttgctc 180
tgagcttcaa cattcaattt cgagcatccc gatataattac gggactctat cagacatccg 240
agtaaaaagt tagtgtcatt tgaatttgct ctgagcgtca acattcaatt tcgagcgtct 300
tgatatatta cgggactcaa tcagacatcc gagtaaaaag ttatgggtcg cttgaattgt 360
tcagagattc aacattcaat ntcgagcgtc tcgatataatt acgggactca atccgacatc 420
cgagtaa 427

<210> 10003
<211> 488
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10003

agcttgatgt tcaatattta ctcanatttt ccttgactgt gtctataatt aagaagtcaa 60
tatgcttact agatgaagag aanaaatcaa ttntgtatgt tgcagacttg aagatccacc 120
caatgaacat gacatgaaga acaatttttc taaaaacact caaaatgaaa tttcgtcaac 180
aagatgagtt cattctggac attgtatatg gagttcaaaa atgcaattga gctattcttg 240

atggatatag aaagcttgaa taacgatctt caactttcat aaacaagttg tggctctgga 300
 caacctgtat catggacaaa attgagccta aagttataga cgtngattng cctagataac 360
 tngatatgaa tgtagcaatt tgaatacttt ngagctacac aagttcattt aagatgatct 420
 cagtgtctat ggaaatctan aagaaagatc tatactctta atgaagaagt catgagctaa 480
 tatgactt 488

<210> 10004
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10004

agctntcttc ganatatatt atattctntn tcctattatt ntaaattgct taatatatta 60
 ttgctcacac tcttatgctt tntgataagt gccatatcta gttatttttg ggattaaaat 120
 attagcactt atcttttgat tgtaatagtt tttcttataa actaccctta aatctagttg 180
 ttttatagat attgtacatt tactaaagct tatgttttaa tatgaaagat tcaaccagga 240
 ttctgtaggc tctgatggtt gtttgttaga tccagaaaca aagtca 286

<210> 10005
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10005

natntttttc ctctaaataa gaaagacgat cttaagccaa attgggcaag ccaagtttgg 60
 gctctaagag ctcaactngg cttgactcat ttacaccgct acttaaaagt atgctattgc 120
 cacaaaagca atcatctaca ataaaccagt aatacgtttt cctagttttc aaaattcttg 180
 acggaagata tcataatcac ggggtgtgtg ttgatttnaa tacaaaacca accagttcac 240
 agtatgaaga actgaagtag agtctgagga gtcaagaatt tatgcttgga cggctgangt 300
 atccctatag aagagaactn gaggcccttc acaggatgac tttcctagat aaagatgatc 360
 tggcattaca agatagcaat tcgtatgata ctctgatata gaccagcat gtctatgata 420
 aaaccatgtg tatgtaggac atgcctagat tgtcn 455

<210> 10006
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10006

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 ttattatcg aagccacttg aggctttcaa tgtcatatta ttcttnttgg atgtgcttat 120
 cccttcagta cttactacga taagttaaag ggagagatgg atgccattat agaattcaca 180
 cggctccatg tttgggttat tctcttatta atcaatatgc gtaaagaatg agtattactc 240
 gtattctat 249

<210> 10007
 <211> 420
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10007

 atcaatgact atgcttacia agttgagctg ctcggtgagt ataatgtag ttccaccttc 60
 aatgtctctg acttatctct tntttatgca gatggagaat ccgatttgaa gacaaatcct 120
 tctcaaaagg gagacaatga tgaggacatg accaagagta agggcaagga tccacttgaa 180
 ggacttggag gacctatgac aaggggctag agcaggaaaag ccangaagct cttcaacaag 240
 tgttntcat actatntgaa tacaagccca agtttcaagg agaaaagtcc aaggttgtga 300
 gttgtatcat ggcccanatg gaggaggact aaatggcacc actttgtctc aatttagagt 360
 gttagttngc taaataatgg ccaatccctt gtaagtgggtg acaaaatatg tttgggtaat 420

<210> 10008
 <211> 340
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10008

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 acccatgttg tgactgccat tcctgtacgg ccaagtttcc caccaacca acaatgtcat 120

tactcaaccc ttctccttac ctaccacca tttatccaca naggccatcc ctaaataaac 180
 cacaaggtct gtctaccgca ctttcaatga cgaagaccac cttagcaca aaccanaaac 240
 accaacaaaa aggaatttac agcataaagc ctgtanggtt ccccccaat tccgttgtca 300
 tatgctaaac ttgatcccat atccactga taattcaatg 340

<210> 10009
 <211> 161
 <212> DNA
 <213> Glycine max
 <400> 10009

catagccttc ttccttaatt ctctttgaga gttctgctaa gaattcatgc atatcacttg 60
 ttattgggtg gcatgtatct cctactaaga acacatgcac ttgtctttta atttcaatcc 120
 atctcttacc tggtctcttc actatcccc tattgtgcat a 161

<210> 10010
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10010

catgcaagct nggtctattc caagttcatt aatcatacct ttattctcag atgcttcctt 60
 cactccttca gttagggccca tgtattctgc ttcagttggt gaaagagcaa caactgattg 120
 ttgatttgct ttccaactga ttgttgctacc aaacaaagta aacacatatc ctgttaagga 180
 ctctcttggtg tctacatttc ctgcaaaatc tgcactctaca tagcctgtga ctactgcctc 240
 gtgtgcttgc ttcttgctacc ttanaccagc tttcaaagaa tccattagat accttaatgt 300
 ccacttcaca gcttcccaat gtgcgctttc aggatctccc atgaatctgc ttataataact 360
 tacaacatga gctaagtcac gtctgctgca aaccatttca tacattatgc ttncaacacc 420
 actggcat 428

<210> 10011
 <211> 287
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10011

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agcttgggaag tgtatgattt tntgaagaat attgatgctt aangtgaaga agatggtggt    60
ccctatggct attatggaat ttctgcatt ggtaaagaag gcaaaaactg tggaacacct    120
agaaggtggt agcaaagtga tcagaacca tgggtggtgga tcctctagca ctaagaaggg    180
aaactttaga agaagcccta ttctagacct caacaacctc aggaaagttt agttgtgacc    240
ttgctaggaa ctcaatgact tagtgatggt ccacacttaa tgaccta                      287
```

<210> 10012
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10012

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agctntataa gcgcggttct gtgagacaaa ggtcttgtgt tcgcgatatg cgaagatgat    60
gttcgagta ccttggatat ggtacgacca tgccctcctg atttocagct gggaaattgg    120
cgagtggagg aacgctccgg catttacgcg acgagcataa tttaaacctt tacggtttta    180
aaagctctat agttgggcct aggctntaga gatttttctt tttgttaagg gcncgtgtgc    240
ttttgttttt gaatatataa tacaaggatc tttcttcac tcgttcctggg ctctacccat    300
tctcattcat tggcatgttt actatctttt ctgaaacggc agatccgatg acgagtctcg    360
cgaatgtact aataccagtg accgcctat cgacttcgat cgagaaatga atc                      413
```

<210> 10013
 <211> 257
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10013

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agctnttctt cgaaatataa attattcttt ttctattat tntaaattgc ttaatatatt    60
attgctcaca ctcttatgct ttntgataag tgccatatct agttattntt gggattaaaa    120
tattagcact tatcttttga ttgtaatagt ttttcttata aactaccctt aaatctagtt    180
gttntataga tattgtacat ttactaaagc ttatgtttta atatgaaaga ttcaaccagg    240
atthttagg ctttgat                      257
```

<210> 10014
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10014

 cataaaacat gaataattta atcatacaca aagcataatt tgtaaaacaa acataacaga 60
 ttctaaaaca tacataaagc aaaacatgaa taaaaccaaa ttgaaatgca aaccacttag 120
 tcatatatca caaaccataa atatcatggt cagtcatact aagcanatat taaaagaaat 180
 actnaagtgt canatgctat aataatatag ccaaatacac tgctagaaat caaaatacta 240
 ttaataatag taatgtctaa actg 264

<210> 10015
 <211> 280
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10015

 gcagcttaag caataagcac acctcactcg ngacaattgt tgagnacgna caaactatatt 60
 tcacgtgtat cctanatcgg atgagcttca tacaatcgtc acgaactaat attcaactaa 120
 gattaaccac gtaaagagta tttcctagtg tatgctatca cagtgtctct ctcaagaaaa 180
 ggtaacagat gaacactaca tctaagtgtc atgctaattt gtaccatcca agtcacaaag 240
 cataactact ataccgatgt aattcgatac taagtatcac 280

<210> 10016
 <211> 237
 <212> DNA
 <213> Glycine max

 <400> 10016

 acctatggat gctaactcaa gatcgtgtgt gggataattc tctttcatga atttgagttg 60
 tcaagaagca taagccacta cctgtccccg ctgcataagc actccacca aaccatctt 120
 gaatgcatca cagtaccca caaaggggtc actcgggtcg ggtaacacta aaactgggtg 180
 agtgggtctac ctttccttaa aggtacggaa actactctca cactggggga tccacac 237

<210> 10017
 <211> 354
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10017

 agtcacctgc ggcattgcaag cttctctn gc anagaatgaa aagagnaaat gatttattaa 60
 gaagtacaag ttgtgaggat atctccttca cctctagaaa cctcacaacc actcaaactc 120
 tcatccaata ctgcgcatga taacttcctc ttcaatcttt gctatctctc aaaatcttca 180
 caccagaagt tctccctgcc actcaaccac ttagatgaat gcttccaaga acagagaaaa 240
 caccaaaaat tgagaactcc cttccattta tgatttcagg ctntaaatag tgtagcagat 300
 ttttggttgt tcgctcagcc acattatggt tcgctttagc caaataagtg acat 354

<210> 10018
 <211> 369
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10018

 aatctatcca taatttattt gataaaatat ataattcatt cattaacact ttgtacggat 60
 aaatactaag tatattcata aatttatttt ggagaacttg attcttaaag ccatgacact 120
 acaaaaaaat acttatgggt acggacttct ttttgctaca gccatgaatt aatatagggt 180
 aaattaaaaa atacttctat ctaccanacg gatgaatata ggtgaaactc aatagctggt 240
 acttatcatt atttgattgt aagtaattca ttagacttct acctacaact attntatgta 300
 ggtaaaactc aaaaaaaatt atgtctatgg gtcgatagta taggtaaaac taaaaaaaaa 360
 ttattgtta 369

<210> 10019
 <211> 580
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10019

eggcctctgg gttganccct gnnnnnctga ncccttgtaa nccgtgatct taagtcacct 60
 gcggcatgca gcttatntac tcatgtttac ncatagaact cttgtacaag agtcttgatc 120
 attggcatcn ttaaagaatg ctgaacatga aaaaaaggaa atatgccaaa gaaaaatttg 180
 aaatagttca aatggaagaa tgcaagtctg ttagcacacc aatgaagtca aaggagaacg 240
 ttagcgagga agaatgtggt gataacattg atgaaggata ttatgggagc ttgattggat 300
 gtctaatagta tctcactaca acaaggccac acatTTTTat tgctcaaaag acaaaactga 360
 aattttatgt gacaatcaag tagtcattgg tatcgcaaac aatcccgtgt gtcatgggaa 420
 gactaaacat tttaacatca agttctatta tttgattaag atgcancaaa gtgggtgaagn 480
 gaacttaagt tatctgtagt ctatagatca actggctgac atgttacana gtcactacct 540
 atcaacaaac ttgaactcag agaaatggga gttgctgttn 580

<210> 10020
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10020

agctnttcan anggatatta tgctcacatt cactttcttc tacatcatat tcaaacttgt 60
 ccaaataaat aatacagtca tctcgactca gagaaaatca tataagtctc atacaattaa 120
 tataacaact atatcctaata gtcacatcct atcagagcgt ggtgtttcca tgctccttag 180
 cacgagggtc ttcatagaca tgcacctatt catctgctcc cccgaacaca agttcaagat 240
 catcacacga tccanacaca acaacacaca gggagtgagt tatcacattc ctagctaata 300
 gagaaacaag acaattaaat atacatatta tataaatgag ataccacttg cttaaacata 360
 gctcacgtaa cttcaccact tcatcattca naagtcactt ttcaattatc aatcacatta 420
 cac 423

<210> 10021
 <211> 280
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10021

ttagtgtata taggaaaaca tangatgtac cggntcttaa ggattattcg atatgcattc 60
 cttgtaggta gttttggatg cttattggac ccaatgggtg tggaaaatct accctcttga 120
 aggtatttta cacgattctg gtcattcttt tgcgtgtgtt ttttaagtgt tttttttatg 180
 ttcactatta gatntatttt gtattcaa atgcattcactt ttttgctgtn gtctttgctg 240
 gtttttaa atggcattcgt agaaatgtta gtttcattat 280

<210> 10022
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10022

aacctctaaa aagttatcaa aaacattata atgatttttt caagcaaact gccacaaaga 60
 ttattttgaa ataactaata ttaattgtca cattattatt taatagagaa atataatgat 120
 agggatcaaaa atcaaattaa aaaataaagt atagaataaa aacaatcaaaa taaaaattta 180
 naaataaaaa cataagttat ccataaaata atatataatt tcccgttga tggatgtatc 240
 tnttaaagta aataatcata taccaatcga taa 273

<210> 10023
 <211> 199
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10023

agcttctata tatntactat actctactag ttntatccat gattntatga agctnttaag 60
 tagttggtaa taatttaagt ttcaaaaggg tcattacact nttagggatt tcgaccttat 120
 atntaaactc aagataacca cataaaaaaa aaaaaaaaaa ctcaagataa agtccatgtg 180
 aatcacaccc actaacatg 199

<210> 10024
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10024

tgtcacatca gataatgtca attaccgtat caaattatgt atatacgtggt atgggattgt 60
 aagagacatc cttggccaga gtggatttga ttgggatggc actaagcaca tgatcacagt 120
 tgagaatgaa aatgcttggga atgaatattg cattgtaagt attctttaat atgttgctat 180
 tcgttattca aagtagattg gatatgactt tttctttgnt ttccagtcgc ataaatcggc 240
 taaaccgttt cgatacaagg tgcttcataa ctgggatgat atagtggatt tgtgtgctaa 300
 agatagagcc accggtcatg gagctgaaac tgctatggat gttgatgaag cgatgagtac 360
 agaaacacat gaagtggaat tcatg 385

<210> 10025
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10025

ctcaattcan agaaggagtt aaccattata ttaaattcat agagaaggta tategttact 60
 tggcttctca tgatttgcoct aaactatgat atgtcaagtg cattatttcc catccatggt 120
 aagctgttac aaaaatacag aaactgtaga aactaatcca ttcagttaag ttacagaaca 180
 anaataatcc attcagtgtg ggtgcttcta gtgttattat aattagagtt tcaccttgat 240
 agtcat 246

<210> 10026
 <211> 190
 <212> DNA
 <213> Glycine max
 <400> 10026

tccttctaga tatatcagtg ttgaggcaga tgtttgcact gtcaagtcag aaccagatga 60
 acccatatga gaagtctgga agcgattcaa atcattgctg agaaaatgtc ccaatcatgg 120
 ttctgatgat ggtaccagc taagcctatt atgcaatggc ctaaagccta acactaagat 180
 gattctggat 190

<210> 10027
 <211> 384
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10027

cagtgagtgg ttggatccta cattggacct catatcctgc cattaatatc aaattgagtt 60
ggttcttgag tttccttctt tntttattag ttactcaaaa ttcttgaatt acatcacata 120
cttaatagcc tcttctctac atatttatct tgttgaatgc aattcttcag catgtcttca 180
gaaaaagtgc aaattgaatt ttcaaaaacc agttcaagat gctgcagact caaaaatatc 240
atgtagctta gtgaatgtgg aagatgggat agatgatgaa gcatgtgaat tagtcagtgg 300
agtggagctc tcacttgagg aggggatga aaatatccgt gcttatctgt tcaaggcagt 360
aaaaaataac aatggaactg gcct 384

<210> 10028

<211> 353

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10028

ctcttttaca anttgataaa aacaaaaatt atgcaaaaaa atgaattagg ttatataatt 60
ntttttttaa aagaataatt cagtaaataa ttataaaaatt atatggttta aagaatttgt 120
aacagtaatg aatgatataa tgatgatcat tactatcgtg tatatgtaat aacataaaaa 180
tagatataag ggttttctag acaactaaca naaaaagata aaagaacttt tagattgaat 240
aaaaggataa aataaaattt caaataaaat agtatggata atntaaaaaa caacttataa 300
aataatttat tttccataag ttacttcaat tagttaatgg aaaataaact act 353

<210> 10029

<211> 286

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10029

tcacctgtag gttaggagca acaacaacaa gaaaatatcc cattgtatat anttttattc 60
cccctttggg ttgcaatgat tgcttatatg agacatgaag atttcatagg tttcatatat 120
aaaaagttgt ctcataaaga tttcatatat cttttatcta tctctctcc tttggcaaca 180

taaaaaaciaa atcatgaata gagaggaaaa agatgttacc actttgtgca atgtatgaga 240
atcaagtgat accaanaggc attanaaciaa tcattcaata ttaatc 286

<210> 10030
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10030

tctcaagttt taaatgacct tgggatagat tcttgaaatc tcttcgtagg gttttataag 60
cttttgagac aatatatgag taagatagaa gtcacatgata agcttttcta agagatttag 120
gatcatcaaa atttacctca tcttttttggc ataactcaaa cccttcaaaa gttatgtccg 180
ccatcatcca tatgttggct tcttcacgt cttcctctga canagtgtcg tccaggtctt 240
ctcatgtact cataagcccc ttcttttctt tagtgctaaa gaaattcttc atatcttgga 300
ttttctctaa at 312

<210> 10031
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10031

agctngctng tggagcttct atggaggctg gatctatgag cttcaatgag gtcctttaat 60
ggtggttttc caccatggag atgcagcggg agacaaagga gaagaggtga gaggaggcgc 120
catccactan ggaataagcc atggaagaag gagcttcacc accaagatga gccttgata 180
agaagcttgg agaggaggct tcaatggagg aaaagaanaa gggagagaaa gagagaggtg 240
ggagcacgaa attgaaggaa gaanaaggga gagaagttga actttgagtt gtgtctcaca 300
agactctcat tcatcannag tacaacaagt gttacacatg tttctattta t 351

<210> 10032
<211> 203
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 10032

agcttaagaa acagntatag gagttgtggg agaagttggt tgtgatatcc agtgtgtctc 60
catgggggagc accagtgttg ntagcgaaga agaaagatgg gaccatgagg ttatgtgtag 120
actatcacca attgaataag gtgacgatta agaataagta ccctttgcct tacctggtag 180
gagcttatgt gtttagcaag ata 203

<210> 10033

<211> 331

<212> DNA

<213> Glycine max

<400> 10033

agcttgaaga gcccgttagt caaagagaag tttttgtcca tagccatcaa agtctgaaga 60
gagtatgatg aactaatgga cgtcaatatg gccaccgatg aagccttgga atgagaaacc 120
aagaaggccc gaaaggaaga acacgaccaa aacaagtttt gaggggcttt atatggcagc 180
aatagtgagc tcaagctccg aagaggtgaa aggaatcatc acgggtcaaa ggcgatgatc 240
ggaaagatga gctaaaggct tgccttatgt cgaaaagaaa tttgtctaac agtaaagtgg 300
actgaaggaa tatgtggcca tcatcgatga g 331

<210> 10034

<211> 328

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10034

caaactgaac tactttctaaa ctaatcacat tngtcaacag cagaattaac aaaagggtgct 60
cactggtaga agagtcaaga gctgctatga gattataata tctgccggaa catatgagaa 120
tggttgatttg caagtattaa tatcaagaat taatgtggca gaatagttag ttatggcgct 180
tcaccattct cacctttaat gtgggttctcc tttttccaag caaacaacaa ctogtgggggt 240
ggntngatgt taatggaaaa ctgcacatgg attcccttgc tactttgata tgactgacac 300
ttgggacatc acattcacgc cttaacct 328

<210> 10035

<211> 205

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10035

agctngcttg tggggcttct atggaggctg gatctttgag cttcaatgag gtcctttaat 60
ggtgatttcc accatggaga tgcagcggaa gacaaaggag aagagggtgag aggaggcgcc 120
atccactatg gaataagcca tggaagaagg agcttaacca ctaagatgag ccttggataa 180
gaagcttgga aggatgcttc aatgg 205

<210> 10036
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10036

aaataccttc atctgactta gcatcaaatt ttcctaagtt atcttttcca ttattcaata 60
canaacattt acaaccaaag atatgaagat gtgagatggt tggttttctg ccattgaaca 120
attcatatgg agttttcttt aaaatgggtc ttattaaagc cctattttaa atgtagcatg 180
cagtgttaac ggcttcagcc canaagtatt ttggaagagg agtatcattt aatanagttc 240
tagccatctc ttccaaagat ctattnttcc tttcaacaac accattttgt cgaggggttc 300
ttggttnngtg aaaagtatgc tcaattccat gcttttcaca aaataattca aattctttat 360
tttcaaactc acccncatga tcaactcctaa tagatataat cttgagaatt ttctta 416

<210> 10037
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10037

tctatgtacc cgtaggggtc cttattgggt gtcgngcatt tgtattctct ttgtgggttac 60
tttngatacc ccctgttgac gtgcttaagc cattttactt aagtcatttc tcgcttaact 120
tanaaataaa ataaattttc accgaacgtt tgaattggat tatccattaa cttcgggtaa 180
aataaattcc gaccgttcgg tcgtgccgta accacgttgg aaatcaaaaa gagggtaana 240

ataatatagt aatcaaaaga catcttttag taaaataaag cggaaaatca atcggacgtt 300
 ttctctttgg gattctcatt ctaatcgaat ngataataac t 341

<210> 10038
 <211> 261
 <212> DNA
 <213> Glycine max

<400> 10038

gtgagcaatc tagggtctat ttccattatt cttgtcaaca ctcattgaatt gatatacctta 60
 ggacccact aattatacct tttgttatgc cttgccaagc aattagaacg ctttttccag 120
 tttaccgaa ggatagagga cttgatgttc actgttgac ctgaagaggt ttgtgtgtat 180
 aatgctgtat atttaattct ccagagggtta ctgctataca gcatatagtc atgactagaa 240
 ttctacttat cacacaatat g 261

<210> 10039
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10039

agtcacctgc ggcattgcaag cttctaattgc tctgtgctgc aattgcagca ctgtcatagt 60
 tgctntctct tctgctgata gagaataagt gagagaagat gatttgatgt catcaaagga 120
 aggccatcct aaagctgtag aagaaaaacc agccttgggg ctttcacttt cccactcagc 180
 accagaaacc agagattcat gagattccta cattcaattn tcattagtaa caaccaacaa 240
 gaagtaaaca tatatgggag ttgggaattg ctacagacca atattagtat tcctttgcta 300
 ttccgattnt cacacatttg aagaaagtgt agcctaccac agctagcgat gttagccaat 360
 aattaggtat aacttccatc tnnattatatt aaaatgctat cccttanaag ctactctttt 420
 gtatttgatc tagtaat 437

<210> 10040
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 10040

agcttatgtg tcancgcttt gcgaattgga gttatttagt ctcacgtgca gtgaatataa 60
tgaaccagga gccagtgtct tagcaattga gataacaatc ataagacgtc ttctatctta 120
aagccttcaa aagctaacat tacatgttcg ttcattgtca aacccatcat cgtgcagaat 180
tacctcaaaa caggggtgaaa gcttctcagg actcattatt gaagcatgaa gctcacctaa 240
agctgacatc ttgctaagac agaggatatc tcaacgctga ctcccatcat cacaacatag 300
ataacggcct tgagctagag cctacataat 330

<210> 10041

<211> 233

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10041

gaagaaagtc agagaacaac attagttaca atacaatata actgtgaaaa atataagggg 60
aagggggcac ataattctaa ttcttgatag cccccattcg ggatgtttga ataaattcct 120
tctacctttg aatctaant aagctatttg gctacatgag gatngaagtt gcttgcatag 180
tcattagtca catgagacat aatattacaa ctcaattgaa taattcgtca gta 233

<210> 10042

<211> 491

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10042

agcttaagac aactngagtt atcagttacg ataatgttgt aatcgattaa aacaaagacn 60
ttttgccttt gaagaaactn tctaacttag aaactatctt ctcaattact catgatgatg 120
catgatgcac aagagatatg atatgaacta agatgaaaca ttcaatataa caaccaatac 180
aaatgtcact caaaggagtt gggcatgtaa aagacaaaac atcttcaagc tttcttccaa 240
gcttcaaact ttagtcttca tgtagtcat gttgctcccc ctatctctta caaaaattgc 300
acttactcct agaaaggaac atgttnttat aacaaattaa gtaantttca ctagatgaat 360
ttattaacaa ataaatgttt aaagatgaga catagaatcc attctcgatg gaagttcttt 420

taatctacan ataagtcata atttcaacta tcagagattg ctaaactaat attataaata 480
gaatttcata a 491

<210> 10043
<211> 274
<212> DNA
<213> Glycine max

<400> 10043

cctctcgatg tagctctggg ggtgagttgg aaacgaatca actcatgagg gcaaaagaag 60
agagaccac aatcttattg gctagtcgct cgaactttgt tagatacttg ttgacgctac 120
catgttgctg gacatgggtca gccacgtggt gaggaacat gttctggaca ttcactggta 180
ctagcacaat ggggtgcctt tcatatagaa cgacgccatc gtgagccttg cgtgatctgg 240
gagatcttgg taatcgaaga attgggaacc ttaa 274

<210> 10044
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10044

agctttatat attgaattan aacgttcata aactactggt aatcgattac catatatgtg 60
taatcgatta cacagtggaa attnntgaat tcaaatttaa tagctgttgt aaatcagttt 120
tgggcactgg taatcgatta catcctctgg taatcgatta ccagagagta aatntgttga 180
agaagacttt ntaacttaaa tttcttggcc aaaccttttg ctacttcaat tggaattccc 240
ttcctattta atataccctt tctaagactc tagagattgg cttgatcatc catcttgaat 300
atctttaatt tc 312

<210> 10045
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10045

atatggacaa aataactaatt gggcatcatt tgacatatag aacgagcacc ataataacaa 60

caaccagaaa gtgaaagtgg agacagcata agacttgtac tttaaaagc ttagaacaaa 120
cttttaaaca aaaaaataaa aaacaaagat atgtgggaag acaccacca gattcaccca 180
agacagcgat tcccaccata ctggaagtac tttcctgcaa tgaaaaaaca ggtgacatgc 240
actcnntctc attgttctgc agaaaggaca caaatattca tgtaactcaa ct 292

<210> 10046
<211> 456
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10046

gctntgagac acatgtgana cnttggcatc atcaattcat tcagctggat cctttgtcta 60
ctatctcccn ctttgtgatg atgacaatcc ctganatcaa gacaagttat atacaagatg 120
atagcacatt cacacaaccc ttactcccc tatcttttgg catgtatgcc taactttact 180
taatgataaa tttccaattg ataatttatt tctaaccxaa gttctctccc cctttggcag 240
cataaaaaag aactaagcaa cataatcaat atccaaacag agccaaacaa taaaccaxaa 300
taaattcata cattgtcata accaaccxaa tcaaagtcaa gaaatataat ataagtgcaa 360
gaatacgata actaagcaat aaaaagccaa atacacgacg atgaaccana gtactaataa 420
tacttaatta ctaataatac ttagtcataa tactta 456

<210> 10047
<211> 335
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10047

ttgtccagct tagcggacca natcagcctc agatgcaagg gtgtggggct aagcgcttga 60
gactctcggc ttagtgcacg accaaagatg cggttggcga aaggactgat tntttagaaa 120
atattttcta agttattttt cagtccttc atcaacaaat tgaaaccctt atatctaaca 180
ttcaaagata ggctgatata ctctatgta caaatcatgc agcatatgaa gtgttggttg 240
ggtcttggtg acacttgccg catatgaagt gttgtttggg tcttattgga atgattggat 300
atttttatag actaacttcc aaatgttgcc tcgca 335

<210> 10048
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10048

aatgtacaaa atatatttga tgaaaagaat ataactntgt cctaatacaa tatctgcaat 60
 aaaaaggata tatcatatat tttaaacaaa aaacaaaaat taaaatcaga attttcattt 120
 gaaaatacaa catgagcaag tattgtcatc caaaaacgat tggggggaag gaaaaaaaat 180
 gccaatgatg agaaaacaac ttcactaatt aaaaaaaatt aattagtga ctgttcagca 240
 aatggaaggt tgtgtgaaat aattgctctt aagaatcgat attttgtgta attgtgagct 300
 aaatggattc gtcgacttgt aactntgaac acantttttt ngtttctaag ctatttaagt 360
 attatttat 369

<210> 10049
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10049

gcaagctntg catcgctgat gttgaattat acatggatgt acgtgtttct cccatttctc 60
 nttaatatga attttcctgg gaaatggaaa ctacacaatg aatttacact ntgcttaggt 120
 catgttcact gatgatcgaa catataacaa cctaggaagg cgcatatttg ttgtctacct 180
 atattttctc tctgacaagc aagtatttca tataacttaa aggccgtggc catgttcaaa 240
 tttcagatct tcactttnta aaaagaaatt tgatggaggt agaaatgttg tctttaaata 300
 tacatgtgan atactggaaa aacagatatc atatgacagt gnggaaatta ccactagatt 360
 cttattatga agcaatagac aattataaaa agacttacat gatgctaaaa tgaccatata 420
 acataagtga atg 433

<210> 10050
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10050

actcatcaca tgtgggtttat gtggcggtcg ggtgatggtg tacaacaagt tntccacatn 60
cacaaatcgc gcataaaccc accatcccct gttgccacc tncaaccgag ctcacgtact 120
cccacgtagc ccatatcctc gtttctctca acaccgggtc cccatcaatc cttccaaagc 180
ttcccaacat ccaggtaatt caacatccaa atcatcacia actaacanac caagcaaaat 240
agggcagagg cagaaaactc tgccaaaact canacaaaat cacagctttt tctcacttaa 300
agactncagt aacatttcct tcgttccaat tcgtaaccgg tggatcgact cgaaaattta 360
ctgg 364

<210> 10051
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10051

agctntngca gaagtgtgtt actctntatt gagatggttg aagcaataat gacagatttc 60
tcccactgag atttttagctc aagtttctct ctcttggaag gctntaactt gtcttcaaga 120
ttatccttga tgtcctctta aagcttcaaa gttgaccatt gaagtggagc ccaactcaatt 180
gacaaacttt ataagcagaa ataggtgaca actattaagt catgacaact agtagagtca 240
tcttaagaac ctttctgatg agcattccaa agatacatca gaatggtgat tctgatgtta 300
gctaagaaag gatccataat gaagtagatc cttctgatga agtacaattg atatggcttt 360
ctgaagtaac ataactccat cataacttaac acatct 396

<210> 10052
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10052

agcttatatg aatactgtga gagnnattaa anactatgtg tcagttgccc tcaccaccaa 60
atttctgagc agcttcttct ccaatatattt tatgaaggac tcagtaacat ggagagaagt 120
atgatagatg ctgccagtgg tggagccctt agagacatga cccctactga agccagaaat 180

ttaattgaga agatggcttc caactctcaa cagtttagcg ctagaaatga tggtatagtc 240
 attagaggag tgcataaagt agccacaaac tcatctgcat catctgaaac t 291

<210> 10053
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10053

ctttggagag gatcaatcac gatgcctata ggttggactt cccagaaccg catggagtcc 60
 gcaccacttt tcacatttct gatttaattc cttgcgcaag tggagctgag actgacgatg 120
 aggaactaac acatttttggg acgaatcatc ttgaaagggg aggggatgat gctgtcctac 180
 ctaggaaggg aacacgcact acaaccatga gcaagaggct gcaagaagat tgggctatag 240
 ctgctgaaga aagccctatg gttctcatga acctcatggt agatttctga gcgcatgggc 300
 caagggtgag tccaagtatc tttgtacata ttagactagg atgtcattat attcggtcct 360
 ctgatataag gctccatatt ctaggtacgg taccctagaa atataggaat ttccaccctt 420
 tgatgttacg gcacctagac tagttcttgt atatgggtag ttctgtn 467

<210> 10054
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10054

agctntgaac aatatanttg tccttcattt aactgtctnt gggctnngcg gccacgctca 60
 acaaagtatt ttcgacacct actgtacgtt gatttgacca acgctgttat gggaatgttg 120
 cgacaatcct tcaaaaacctt attgatacat tctgagaggt tggttgtcat gtggccatac 180
 cgacgtcctt ctctatcata agccatcgtc catttttctt ttgaaatgcg atcaatccat 240
 gttgctatgg ctggactcag ttcacgaaat tnttctagat nttgatcaaa aatgtgcttg 300
 caaggagtat angctgcac anatttagta tgaataagaa ttttaagtat atatcanagt 360
 taaataaact cgaccatgan atatganatc ttaccaat tctttaacat ttc 413

<210> 10055
 <211> 251
 <212> DNA
 <213> Glycine max

<400> 10055

tgtactcata gatagattca ataatggttg cataacttatg atgcacatca ccattccctt 60
 taatcacatg aagatcatgg aggagtatg aatgttttct tatgctcggc caacacatta 120
 aaaatattat atgatatatc ttgtgtggaa gtaggtcaac atttctatta tcaaataaag 180
 agtttcaa at tacatgccca agtacttatt acttcttggg ttgtaattgt atttgaaagg 240
 caaatatcac a 251

<210> 10056
 <211> 260
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10056

gttcatggcc ttgcagggtga agaccacac aaacacctga aagaattcca tattgtctac 60
 tccaccatga aaccaccaga tgtccaggag gatcacatat ttctgaaggc ctttctcat 120
 tcttttagagg gagtggcaaa ggactagcta tattaccttg ctccaggggc atgatggaag 180
 cttgctcgtg gagcttctat ggaggctaga tctttgagct tcaatgaagg tctctaattg 240
 tgattntaca ccatggagat 260

<210> 10057
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10057

gattacatct ccctctntct caagcttatt cttcttgata tcatttaa at ctttatgatt 60
 tacacatggn aaggcattga gaagtaatgt gtcctcttcc aagacattta aagcatttta 120
 tagagctagt cttctcttgc atactagcct taggggcttg attttctatt ggcttccct 180
 tatcatcttt aggccttagaa ggtgtcaacc ctaagatgce ttgaccttgg tctttctttg 240
 gataagagtg agagccataa gattntgaag tagacttctt tataagttgg tgctctaccc 300

ttattcccaa tctaagttag cctctacatt gtctttccca tggaagtatg ggaggttaac 360
 attagcctct tga 373

<210> 10058
 <211> 257
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10058

aaagatatta tcggccagtg gttgtaaaan aattgttctt tgtcggctgg aaaatatccg 60
 tcggggctat ttaactaccg atgtcggcta ttgttttttc tattccaccc ctgaattata 120
 tttggatgat gcctattagg aaatgttcgg tcggggctcat ccggtcatgc ttctttttga 180
 ggctcgatc tgtcgtcttt cctagccggc cgacgtcggc tagcattttt ttcgatcaat 240
 atctgtgtga atcatgt 257

<210> 10059
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10059

gcaagcttat gttggagacc acatccatgg gcgcattttg aataactaatg agtaattttt 60
 tatgttttggg aaaccgaagg ttaagcaagt tgaggaaggt aagaatcata gatatgtgaa 120
 ctaaagccac tgtaagaaat tataaaacag aagcttataa tcacaaaatt atccagatag 180
 tactgcacaa caagagttct cacatatgta gtttagaaca atgaacatga actgcaagaa 240
 tataagttct cactcaatgg tttatatgga caactacatg anaacgaaat aacaacccaa 300
 tatgaagcgc ttttaaggta taataacatg taggactttc tcacctaaaa tgtaaagaaa 360
 taaatatata gaataaggct ntgataactca caattagatt tctacttgag tgagagttga 420
 atctaataata g 431

<210> 10060
 <211> 493
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10060

tganntagaa tgggcttttc gagagtacat tgcgtaagca catcatgtgt actcgctaag 60
 cacagtgcac ttgcgctaag ccctattctt tgcggccaat tcactagttt aattaagcta 120
 agcgcgaccc attccggcta agcgaaattc cttgcagnct ggatagcgct aagctagcaa 180
 cccctcgcta agtgcattgcc ccctgtatg caggatgcag tatattcgct aagctgacca 240
 tgagtgtggc ttatcaagag ttgcaggttg tcttatatgc acaattcgct tagcgcactc 300
 ctttgcgcta agcgcagtta aaaangaaat tgaatgtcan atgggcccac gtctaccgcg 360
 caagagagga ggcgganagc caaacacctc tcttgcttag caggatatct cgctaagcga 420
 gtgattttga acatggntaa gtgaagtga acagtagtta cactcacact taccgccaaa 480
 atctgagaag ctt 493

<210> 10061
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10061

agctngcact tatatatgaa gcatcagata ctaattatta agaattctata gaacctcgag 60
 atatgtacaa ctgcaaacaa caaggcatat gttattcatt caattattca agtcttctaa 120
 ctagcaaaca gaatcaacaa cttaagaaca aaacctgaat caaaatggaa atctttccat 180
 gtttatttga aggaccaccc ttaatttcta atggacatga tgtgcgtgcc aacatctcta 240
 gctcattctg ttcttctttc cgaacagcaa tattctcana ttcagatgaa tgggtgcaatc 300
 atgtaatca 309

<210> 10062
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10062

agcttgatgt tgctgccaat ggaattctcg ngagcttatg taatggcttn tgtgaatttg 60

aagagaatgg ngtgaaatca tatttcaccc cgccttttat ttatttattt ttttctgcag 120
 cgcacactca cccaggtgag ctggctactc gccagggcga gttaacatat tttttttatt 180
 ttttttaaaa atatttatta ttattattat tatttattat tattttggta ctatatatat 240
 tntcctctaa actntataat caagtataaa attctaggca aattcatcag ataattcaag 300
 aaaaataaac aaccctaacc tgcaacagan aacgtanaac atataattaa agagcagggg 360
 tagagatact aggttggcct ctangagtgc ttctttaacg tctntagctg gacgcgtggg 420
 ctatgggcga catctcatcc tccctannat cttttcttga 460

<210> 10063
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10063

agctngtgan atcaatgtaa tccaagattc cgttttatac aagtcgttca attctattct 60
 tagaaatgtg acctaagcat ttgtgccata atgctcctga gtttgtatta tcaattctat 120
 gcttagtacc atgcaattnt acattaaagg attcaccaca ggagactgca atatcaagta 180
 aatatggatt atcattaacc aagagtgaat cagttccaac aatatctgaa ttaaaagaca 240
 atctgaacac attgtttcca aatgaacaca aataacccaa tttgtcctta taagaaactg 300
 aaaccaaatt ccgctctaaat gacggtacaa caaaagtgtc tttcanattc aaataaaaac 360
 cagtacataa tatataatta gagtgcctta tagcttccac ttttcaactga ttaccatctt 420
 caacat 426

<210> 10064
 <211> 285
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10064

agcttttttaa ganagtgatg aggttcaagc cctattgcag agctngaaag agcctgtgta 60
 gtcgaagaga agttcaagtc catagccatc aaagtctgaa aagagtatga tgaactaagg 120
 gatgtcaata tggccaccga tgaagccttg gaatgagaaa ccacaaaggc ccgataggaa 180

gaacacgacc aaagcanagt tttgaggggc tttatagggc agcaatagtg agctcaagct 240
ccgaagaggt gaaaggaatc atcacaagtc acaggcatga tcttg 285

<210> 10065
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10065

cataatttct gaaattcttt ctggtctcac ggcacgagaa ttgttctatt atctaaaagg 60
tgggcaagtt gattatggtg aggagcacag caaggcttgt ggacactcgc agttcggacg 120
aatatatgaa caacgttcgg agatcttaat gttctgtttg ttgttacctt tattttttcc 180
ttcacanctg ttacattgt agcttgctaa tgctattggg ggatacaggg cattaccctg 240
aatgggacga ggatcacctt attcattttg ttggcactca gcaggagcac acgttattcg 300
tgtcttgcaa caaatgctcg ctgata 326

<210> 10066
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10066

tgcacggnnn nttgaccccc gtggtcaatg attccttgta gancgaggct tgcagcttng 60
aaaccttctg cactggtatc gatacatatc tgaattttta ccgagagaaa actttggaaa 120
agtttgaaaa tcattgcact cactttgaaa aaaagttaac ttatctgata agtctttgtc 180
ttctgagtct aatctgatct gactgatctg gagctgattg gaactgatct gattttgaat 240
caaattcatc ttgaccttga gtgtctgacg aagctgactc ctcttgatca tgaacatatt 300
ttgtacatga ggtctgactt gactttgcat acttgtagac anacttttga tcattgatat 360
agacttgttt accaaagata ccgctgaatt cttgttcctt ccaagtcaag acacgacgaa 420
cttgctacca tgaggtctct 440

<210> 10067
<211> 284
<212> DNA

<213> Glycine max

<400> 10067

tggaagacaa actcgaagaa aaagttctgg gtttaggtgt atgtttctct tcatagagtt 60
tggccaacga aattgttctg aggagtcacg taggtgattg tgcaatgaca tcccttctga 120
tatcaggttt taatccttcc acaaagcaat ccaatagagc ttcttgtgta attccttgta 180
ctcgactagc taaagccgtg aactgcacgt aatatgactg aactgaacca cattgaggga 240
gtttaaacia ctgagatcta tgacattcat acggtgatgg gccca 284

<210> 10068

<211> 487

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10068

tacctatcac atgtggtact aggtggcggg cggtttatgg tgcacaacia gttttccaca 60
tccacaatgc ggcataaac ccaccatcct ctgttgccca cctccaactg agctcacgta 120
ctcccacgta gcccataatc tcgtttctct caagaccggg tcccatcaa tctcccaag 180
cttcacaaac atccaagcaa aacaacattc aaacagcaca agctatcaca gccaaagcaaa 240
atagagcana ggcagantac tctacaaaa caccaaccaa atcacagctt ttctcactta 300
aagacccag taacaattcc ttcaatcaa ttcggttaacc gttggaatcg actccaaaat 360
ntactggaag tctatagtac ataagcctac antttgacgc gtgggatcta ctagcanaaa 420
tcagaactaa ttctgactac tctttcacag ccaacacaca caagcatttt ctgacaaaagc 480
aaaatct 487

<210> 10069

<211> 448

<212> DNA

<213> Glycine max

<400> 10069

tcagtctttc agctcttcgg ttgctgacca cagagtggta cctggagata tgctcgaggag 60
gtcatgagac cttgggggacg tcatgtgggg tgctattgcc caaaaccaag cttgaccaca 120
tcccgaacca ccccgggcat agtcagtcag tgagaacctg tgacgtacct aaacaggcga 180

gtctctggca gtcaaccaat aaaagaacaa agaccacgat gttggacaag tggcctcata 240
tatcataata aggtgggggg aggtgatata atatattacc acctatttcc ccagtgataa 300
ttatatacac cttctaatac aattataaac tcctctaaac atcaattgct tacggatgat 360
ccacacaaac aattgtatgt gctatttgca caatgacaac tgagttacgg agagatatgc 420
ctctcgatta tccggttctc ccaccctg 448

<210> 10070
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10070

caataaattt tagttgagtt ntattcagaa aattagagtt tatctctttt atcttagtga 60
gagtgattct cctaaattct ,tgagtgattc aagaacacct tgtgtgtatc aaaggacttt 120
cacaaccttt gtgtgttgcc ctgctggaa agagagaatc ttttctttct ttcattcatca 180
cccttggtct ttcaaaccac aattncagaa naatcacctc ttgccagaat tatctcgtgg 240
ccatatactc cattntacgc actcaaatta agtgattctt gagcctaaaa tgaatttcaa 300
aacgagacct ttacctcgt ttggaatca cctcatttgg agccctgtag cttcagttat 360
tgccatttct atatttctgt ccagccacca cttaacctac gtttaccatc ccattcattc 420
tatttatgcc aagaaccacc ttattatacc caggaatag ccacctattt tcattctn 478

<210> 10071
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10071

gtgattggag aaaaatttta ctccactcat ttccttaaatt tntctatttg atctctttaa 60
tgtaaaaatt tataactcat tgtgttagat gagtatttta tagcataatt tagttatgga 120
ttgtgtgaaa aggggttaaaa aactaagtat tatggattat tgtggcttcc tcacaacctt 180
atgtttgcta aatttgagaa tcttgctaatt ctcttgtttt ttattctaaa cgcgagatcc 240
tgtgaaaata cagtggatgat cctcccacaa cattgaatgt atagatgcgt ctttacgtga 300

gactaatct

309

<210> 10072
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10072

agctnggaac aggaagaatc catcagcaaa gcacctatag ggcttggatc tatatgctac 60
attcatattc tagacatgaa gaggcacaag cttgaagaca agactatacg aggtatcttc 120
cttgggtata gcaatatctc taagggctac cgtgtctaca acttgcaaac taagaaactc 180
gtcatcagtc gagatgttga agttgatgaa tatgcttctt ggaattggga tgaagaanaa 240
gtggagaaga acgttcttat acctgctcaa ctacctcaag aagaagatga ggaagaagac 300
ccaggtgaac caccttcacc ttcaccacaa caacaagatc aagaactatc atcaccagag 360
tctactccaa gacgagtaag atctttggtn acatatatga aacct 405

<210> 10073
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10073

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ggcgagaatt cagaatttag ctgaaattat ttgagcacia gtttttgtgg cagatcaaaa 120
aaatattctg gtcaaacttt gggcttattg ggttcacata cacattatta ttgggcaaaa 180
atttaagaga tacctattgg actaaatctc cggtattggt caaggtaaatt tgagcgacct 240
aagaataaag taggaaaagt agaagcgcca caattgctgt tgctttcatt tagccaacac 300
annatggttt tgatttttaa tattaattat aacatttaaa taattcctca gaaatatcaa 360
taatttggaa tttcaacaga atat 384

<210> 10074
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 10074

ngcttttatgc aacaattata ctattatctc aagcctatat gcaatgggct atcatgcgag 60
 tgaanaacca tcctagggcg tataatagta cataaccaga cacaccacac aatggatatg 120
 tcaggtcagt ctcgttaagc aaaataataa ggtgaccagt cacggtcact ctgctttgca 180
 agaatgctgt aaccatatgg gatcaacata gacttaacag agcactcaaa tctagtgtct 240
 ctacccctaa gccctaaact ccgaagaatc ccgtaggggc tcaccttcct aatttagttc 300
 aaccactgaa ataattttgc acgccacaca actcatnact attgatatcc caacctccac 360
 tcgtgttata cacgttaaca catatgcata attaacactc gtcct 405

<210> 10075
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10075

agctataaga aattanatgg tttaggtatc tttttggngc cgattcacga acatcaacta 60
 tttacccgat caaaattaaa cgacggaagc tctcgagaaa ttgaaattat cataactttt 120
 cacacggagg tccgagtcac gcacatcaca tatggagacg cccganattg aaccacggaa 180
 gatctggaga aattcaaattg gtcataactt tgcacacgga ggtccgattc aggcgcatca 240
 tatatggaga cgctcgatat tgaacaacgg a 271

<210> 10076
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10076

ctgcatgcaa gcttcagcgg atgacgccga tcgaacattt cctaaccgac gtcattgcaaa 60
 tttcgttcac ggattgaatt gaaaactcgt taggcgacat ctgtcgtgaa gtagcgaccg 120
 atatttttca gccgacattg cacacttctt tttagaaaag ctcgctgggc gatgatggtc 180
 tttttaccgc agagtaagtt ttcttgattt ggtgttgcat aaacaagtaa caatgtactt 240

ncgctaggtt tttcgtgcga gttcaaccga cattntagtt cggccaggaa aacattagcc 300
cacctctgca aaaaaaatat ttgctaaccg tcttcatgca tatttcattc aacgattgaa 360
tagaaaactc aatagccgac gacggtcgtg aaataatccc gactgata 408

<210> 10077
<211> 227
<212> DNA
<213> Glycine max

<400> 10077

cctcgatcgg gcatctttgc aggccgaggt cgagcgtcat gttattcgat acatttcggt 60
gaatgatact tacatgccga gaagggctaa tgttttcctg gcctaataaa tgggaaagat 120
gccacattct gccgaaacga aaagtctgtt gggctcgac aaaaaaacct agcccaccta 180
cattttaaat cttttatgca acacctaaac aagaaaactt tctgtgc 227

<210> 10078
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10078

agctntgaga agataaaatn tcctaataat gaggtagtta tttaaaaatt ntaattgagg 60
gagaaattgt tggagaataa ttcataatttc aaaataattg agatgggtgaa aattcaagga 120
gattnttttt taggaatttg atatgtttta aatcttttaa attttatcta gatttttgtt 180
tttatttatt ttagggattt gtttctttct ttaaaagact aggatatgtn naatattaaa 240
tnttgtattg ctatttagtt ctatatttta atataaagcc aaaaaaataa aaattatacg 300
atatgttcca tctaagatct cttgngatgt atgggtaatt tgttgtgtgt agagaagttt 360
tcccaaccgt gataaanata ggtaaaacaa tgatgaatta aattggtggg gttcacttca 420
ccaaacaata ccctatacaa aggtcacata tttagtttaa ggttcaatta tgttaaaat 479

<210> 10079
<211> 382
<212> DNA
<213> Glycine max

<400> 10079

tataaaacta agctcggaaa cacatgttga aaagagctaa acagggttaa gtcagttaat 60
gctatcgaaa cgaatgtttg aaagatattt cgctaaagat gcatggtgtc gtaagcattc 120
tcaactctca agtcactcaa taaataataa acctcaggtt aaagcggatc ttggcagcaa 180
cgtcgccccaa gaatctaagg gaggcgtctc gaatcaaacc agcggcatcg acctcaagca 240
tattgacgcg atcaacggcg atgagttgtc ggggtgctgta aggctgttgg aagaagtcca 300
aaatggtggc ttttcccaat gggatgccgc ggtacatgaa agtgaagctg gactggccga 360
acttgatccc aaccttggtg gg 382

<210> 10080
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10080

agctnngcct ggacctattg atatgatcct acatatgagt tataatTTTT ttacgggtca 60
tctttgagtt ggttatcata ttaaaggaat taaagaaaga aataaaagca catggaagtt 120
agctcaaaga taaagatttt atatagcaat ggcacaagaa ttagaaaata tggaagtaaa 180
gaaataagaa caaaaaatga aaaaaaaatg gcagagaccn caaactttta agagagtgat 240
aagtccaatg aagatttggc acaaagctat ggaaaccttt gataagaacc aagaaagctt 300
catctaagaa cccacaagag gcacaacttt taaacttaca aaaggagtga aattctaacc 360
ttattcaa atgcccaa gcaataaagt acaaggctat ttataggcaa taattagtgc 420
ccnacttaa taaggctgat ggctaaacct aactctaaag aagcanaaac aaagacctaa 480
gtaagc 486

<210> 10081
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10081

ntgaatggca agggatttat acgaagtaca gacaactcca tgtgctnttt gacctttgtg 60
aaagtgacct tccaggggat attccacgga ggccttctag tctcttctat attgtacttt 120

tcttgaattc aaatgttagt tattcaaacg taatagagac aaatggaatt tgaataaaac 180
 agtacatgtg cactttcctt ttctgtgata occagtcctt gagagactag acacatgaat 240
 ntatcgtatg acagtgtgtt atattgttat gaacaagact agatgcttac taaataaaga 300
 gagctgaaca ctagattaa atagagcata ctctatctag ttgtgggcca tattccttta 360
 acataataat cttgtccact tgtcaaaaac acaatagaat atcaataatt tataacttatg 420
 ttatacatca naatctacgg tggatgagac acatgatcgt tcatacctaa c 471

<210> 10082
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10082

atgactcgcg tagaacatgg ctatggcaca gtcagtgatg taagcttgct tgtggggcctt 60
 ctatggaggc tggatcatat atcttcaaag aggaccttca atgggtgattc ttcacatggg 120
 agacgcacgc gaaggcaaag gataatagga gaggggaggc accatccact atggaataag 180
 ccaaggaaga aggagcttca ccaccaagaa ttccttggat aagaagcttg aagaggatgc 240
 tntaatggag gaaaagaaag agagaagggg ggggcacgaa attgaaggaa taaaagaggg 300
 agagaagtgg aactttgaag tgtgtctcat aagactctca ttcaccaaag ttacaacaag 360
 tgttacacat gcttctatatt atagact 387

<210> 10083
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 10083

tctggatttc tggggaagtg tcttgggtga tacttgtag tttacaattg ggctgggtttt 60
 gtactcacat ttgggtgaat aagattctaa aaaaggcatg aaagcagcaa ttgtgggtcac 120
 aatctttgtt tttttaatta tttttttatt ctgatgaacc tgtcagaaat ttatgtgagt 180
 ttgcgcaaat aagcaagtca tgaagtggca aaataactta ataactctca acgattgtgg 240
 tattgcgtgc tgcttatttg aaacttgaac ctacatgttg ttcgaagcca attattatgc 300

aattatgcat ttccagagtt gagggactaa atgggttcctt tgttataatt ttggtcacgt 360
gttctcttga gtaaggata gaatggtggc cgattacact gttactcat 409

<210> 10084
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10084

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ctcttctccg aatttccacc gtgatagcat gaccataatc cccactgtta gaaacaaaat 120
atcaagaaat gtgacactaa aaaatatata atatctatca gtgctgagaa cagcagcaaa 180
actttatcaa accccaacct ttcatatcaa tattggctct anaaaagacc caaatcaat 240
cacttaattc tttgcacctc atccttaggc aacttgaatc tctcaggtaa aagtcataca 300
tacctgagtt atgaattcaa tggttntaat gcatcttttt taaacttatt tataaatnt 360
agctcctgca tgaatccata ttatagcaat taaacctgca ggatgacctg tgattattca 420
tgaatggaaa tgtcctaaga cacagattac aacagaaat 459

<210> 10085
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10085

tgttggtttt cgaaactcga nttgttgcaa ggatatcacc aaattcgtat gcattcctca 60
aacattgcta caacggcctt tcgcactcac cagcaccact gagtttaagg ttatgccctt 120
cgggctatgc aatgctcatt ccacctttca ggcaacgatg aacatgcttt tccagccatt 180
cctctgacga tttctaattg tcacttttga tgacatttta atttatagca tcacctttaa 240
tgatcatgtt cttcatctgc aacaagcttt tcacgttttg ttggacaatc aatgcatctt 300
gaagttgtcc aaatgtactt ttgctcagcc acaggtggaa taccttggcc atgtggtctc 360
ccaacgaggg gtggagccag tcacttccaa ggtggatgct gtgcgccagt ggcccactcc 420
gcactct 427

<210> 10086
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10086

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agtcacctcg cggcatgcaa gctttaataa tgaaatcatg tttaaaatta ataataattta 60
taaccattga ttataattaa aattatatta tcattttcac gttcattctc aaattgattg 120
tttcattttt ttatataaac tgtaccttaa aggggttgtaa atatccaccc aatttttttt 180
tagtgtgctt tctatcttct ttttcttctt ttcattggta taatatgaat nctttcattc 240
ttttatttta attttaatgt atgacaaagt atacttgaat gtgttattga tcatcaaaat 300
tgacaatttg actcttttag atcggtaagg tataagggtgg atctatattc ataattgata 360
aaaaaataat atatttaaatt ttttattttt agtggtattt atatttatat ttttattnta 420
ggtttaacta tttctttgaa tgaattttat gagaatgaat aaacatttga atcaacatga 480
tgttcttatt at 492
```

<210> 10087
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10087

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atgactntcc tagtgactat tntattcact ctgggttggtta cattaggatt aaattgcatc 60
aacaagtctc tatgatatgg atcaaagtag tcagcaaagg catggctatt ctcatccga 120
aagtatccat ttcagaggca gcaacatctc tccgcctaatt gtatgcacac tcgtgacagc 180
ctcagggcac ggaactaatc tagattccca ttatttacta gatgcttatg acaatgggtat 240
gatgtatgga atgacacaat acaatggagt tcaacatcaa cataatcttg atatgggtgt 300
tccagctgct gccaacatat attattctag catgaatcct tcactctggtta cagctgcatc 360
tctaaatgct gaagtttagga gaggaaatta tcaatatntc aatgcctcng ctagttctac 420
aagtgtccc cctaacgcaa gacacactg 449
```

<210> 10088

<211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10088

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agctatgagc caaaatcttg actcaccata naccttgacc catggtgaga atgtcaatcc 60
ttaccctcag aagcaaaaaa agaagagaag gaaaatttcc aatcaaagga aaaaggagaa 120
ggaaaatttc caatcaaaga ggaagcaaaa aaaggaaaga aggaaaattt ccaatcaaag 180
gaaaaagaga ggaaaggaaa ttccaatca aagagtgtga gaaagcataa agaagagaaa 240
gaaaattccc aatcaaagaa tgggagaaag aaaaaagag aaggagaaga aggaaagaaa 300
gctcatgatc aaggatcgaa agaaaacaaa agatatgtgc agagaggtct ttggaccaca 360
caatatctga acaatacgga attgtcacca aatgaacaaa agaaagaaaa ggaaaccata 420
acctaaaagt ggtcttcttc ctttgattac caacccaaat cctgt 465
```

<210> 10089
 <211> 196
 <212> DNA
 <213> Glycine max

<400> 10089

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cgagatgagg aagtgttgaa cggtgaaact tcctgctttt attgttgacc acagagtggg 60
acctggagat atgtcgtggg ggtcaggaga ccttgggggac gtcaggtggg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcggtcag tgagaacctt 180
gtgatgtacc taaaca 196
```

<210> 10090
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10090

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agctntatta tgccctctcc tctcgccggg gatttcttct tcggcgaagg cgagatagtt 60
gttggcagtg atattattga ccagccctct gaaaccttct accaagatgt cttgggccac 120
gtgggcctcg ttcagaactt ttactagcag agcccgatga ggctcggagc tcatgagtaa 180
```

ctccaacagc gagaccctgg ccgggggtttt gttgagctat tcgataacct tgaattcgct 240
ctgctgaatt atacggagga actcgctagc ttcctctagc gacacctcct ttttaccatc 300
ctttttctgc ggaagacctt tcgccggaat atctttattc gaagcgaggg gtgcttcgtc 360
atcttggtcc tccaccactt ttgctttccc cttgacgttc acgggttgga ctggtagggtg 420
cggaggcgca aacacacgac cgctacgggt cacaccactc aatcccgatga tat 473

<210> 10091
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10091

ggccgccacg gagttttctg actatgctct tgtgtggtgg aacaagctac aaaaggagag 60
agcaagaaat gaagagccaa tgggtgatac atggacggag atgtaaaaga tcatgaagaa 120
gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccga 180
aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
tattgaagaa gatgaggagg taactatggc tcaatttctt aatgggttga ctaatgatat 300
ccgtgatatt gttgagctgt acgagtttgt tgaaatggat gatttgcttc acaaagcaat 360
ccaagtagag caacaattaa aaaggaaagg agtggctaag aggagttnta ccaactttgg 420
ttcttctagt tggaaagaca aacgtaagaa agatg 455

<210> 10092
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10092

gacatctcga tgacatgtta tgtccatctt aagtaatcgg gagctatcgt cgattatttg 60
ctagcctctc aacatattat gctgcccatt gctgactcgg ngttacaaag cataatcatg 120
cacacttatc gggaggaaac tacgacctat actcagcgat tcgttctttt agaatcctgg 180
agactacatg agggagagga gtgatgacca ctctagaacc ataagactcg tcgttagact 240
acttgaacac gctgtatttg tgatgcccgt aaacttaacc tccccatgaa taagagttac 300

caacgcaaag ttatgactaa tatcaagtgt agaacatgat attggataga tgtgatatgc 360
 tgcatagact tacacgaaga gtgtgatacc gtttgattta ctagaagggtg ctaaattggat 420
 ctctgagata acgcatngta tgagcctagt cctcccn 457

<210> 10093
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10093

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 tacacaacac aaatatatag ggagagaacg ggtcccccta tcttctccca cacatggggg 180
 tgaaagaatc aaaggaata ccattccaat taatcgccat aaatgtggaa gacatatgaa 240
 catgaatggc attagccatc caaggcggaa taccaacctt gctgagggtg tcaagagtaa 300
 aatcccattc caccttatca tacgcctttt gaagggtcaa attcaacacc atgtaaccct 360
 ccttaccacg caaattctca aaattaatga agcatgacaa anagggttaat ggagtatttt 420
 tttttcaact 430

<210> 10094
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10094

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 taaacgcgcc acaaggcatc cctatcgcac cagatccaaa tctaaaacga tgggtgatca 180
 agaggagaca caggaacaga tgaaagccga catgtcggct ctgaaagaac agatggcttt 240
 catgatggag gccatgtag gaatgaggca gctcattgag aaaaacatgg ccaccgctgc 300
 cgctgtcagt tcggctgccg aagcagaccc aactctcttg gctaccgcac gccatcctcc 360
 ctcaaacata gtagggcggg gaaggaacac gctagggcat gacggcaacc ctcatctggg 420

atacaaccga gcggttacc cttatgggat tgccgccaac tactcaccac ctggtctaca 480

<210> 10095

<211> 269

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10095

ctgaaagatg tggcattgtc ttgtgagcaa catgacactt atatttctga tntcaatggc 60

acccatgtag cacatcatgg gcgctctcga tattcaaaag atcctatcac aataagacat 120

catttcccag tgaacacaat ttttattgca gttgataagc aattgcccga gttaaagtct 180

acggttaatg agcaacaat ggaagcttaa ccttcatctg cgttttagtc cctaaatatt 240

ttatacaacc ctcaatgttg atgatatat 269

<210> 10096

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10096

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catttcatag aatctgaana ggggtaatta agtcataaga gttcaaagtg gagggcattt 120

tcgtaaatga ctatacaact agttttaaagt gtctaattat atgatgtaga ataattaaaa 180

taagttagag ttgtaacacc cctaaaaaat acaactccaa ctaatagata aaactctgtg 240

ttgtgtcatc tatgtgtgta tgaaatttaa ttcaatagtt atatatatcg ttttaattat 300

aaattttttt ggggtgtgtg tgtgaagaat tgcattgtac actacgtgtc tatgtaattt 360

agctctgtct gcggtcact ctggntatat gtattactag ggagactagc acaatagtca 420

agaaagtagc acagtaatc 439

<210> 10097

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10097

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ctaagctcac ctcccttgaga agcttcctta agaagattcc taaagaagct gaagcttagc 120
tacacacacc tctctaatag ctaagttcac cttcttgaga tgaaatgcta gagtttagct 180
acacaccccc tataatagct aagctcacc ccatgacaaa aaacatgaaa atacataaaa 240
aaaggcctta ctacaaagac tactcaaaat gcgccgaaat acaaggctca caccctatac 300
tactagaatg gccaaaatac aaggcccaaa cgaaggaaaa acctattctg atattttacaa 360
agaagagtgg atcctacctc gacncatggg atcaaaaatc ta 402

<210> 10098
<211> 249
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10098

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aaacctttga agtattcaaa gagttgagtc taagacttca caggagagaa agactgtgtc 120
atcaagagat tcaggagtga ccatggcaga gaatntgaaa acagcagggg cactgaattc 180
tgcacatctg aaggcatcac tcatgagttc tctgcagcca ttacaccaca acagaatggg 240
atagttgag 249

<210> 10099
<211> 463
<212> DNA
<213> Glycine max

<400> 10099

actaagcttg gtgccgggcta gtggaccaat taataagtat tgatagagga ctctgcatgt 60
acaaatacag ttactctgta aaggcattcg agttgtcact tgtcaatcaa atgcatcgct 120
acttaaaaaa tcttatctga cttcacttta tattgtccat ttggcatcaa agacaaatta 180
ttaagagcaa gctagtagtt aaattttctt acatgggtacg cgctctagca aatactttct 240
tagctacttt acatttatTT cttcttgtct tcttctcaat taacatacat atagtttgac 300
actttctatg tgtaatttg tttcctaaac aggaacagaa tcagaaaaag cttcgaaagg 360

ctgtctcgga ggtgtcgaac gaaattgaat gatactacaa tgagttgaag ttggagaaga 420
aacttggtgc tatagaagag gtggagcaag ctgaatgcc aac 463

<210> 10100
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10100

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cacataanag tatgattgat tagagaaact tctttatata catcagctgg cttgttagaa 120
agacccaaca cctttaccta ctgttgtaa tcttacttac ttgcattttt acttttttta 180
gcttagactt attttaatta tgttctaaat catcaatatt caatgtttct ttcaacaatg 240
ccttattntt gaatttaacc ctgtctaata ctagttccct gagttcaata ctgaattca 300
tccgttttaa ttntaaatac ttgacaaccc ggtgcgcttt ccggcatacc ggatttcct 360
tgaacatatt tgtataaaga anaagtggac ctaaaagtaa ctgcaggga aatccaacaa 420
agtatttat 429

<210> 10101
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10101

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ggccaagaga tggttgcatt cattcaaggg caatagttaa aagacctgng atgaggttgt 120
tgagaagttt ctaaaaaaat atttcccaga gtctaaaact gcagaaggaa aagctgcaat 180
ttcttcattc catgaagaca cctgaagaag ccattggactt aattgaaaat atggctgcca 240
gtgaccacgc aattttgcat gatagagttc atattcctac caagaagttt attggagctt 300
tcatcacaag atgccttggt ggccgaaaat aagttgttgt ccaagcaaca tgaagcttta 360
actaaaacac taagtaagtt gccaaactcaa ttcatgcta gtcaaccttt accttcatct 420
gttt 424

<210> 10102
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10102

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 ggtagtcccc aagaagaccg gccttacagt gatcaaaaat gagaaggagg agttgattcc 120
 tactcgagta cagaacagtt ggagagtctg cattgactat aggaggctga accaagtga 180
 caaaaaggac cattttcccc tgccattcat tgactagatg cttgagcgcc tggcaggtaa 240
 atctcactac tgtttccttg atggtttttc tggttatatg caaattacta ttgctcctga 300
 ggatcaggaa aagaccacat tcacctgccc cttegccact ttntcctata ggaggatgcc 360
 tttcggcctg tgcaatgccc ctggtacctt ccagcgggtgc atgattagta ttttcagtga 420
 tttaattaga aaatgcatag aggtggttat ggatgatttc actgtatatg gatcctctt 479

<210> 10103
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 10103

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 taaggcatag aggatgggca actcaccaag atgtctttct tgctgatac gatgaccaga 120
 tgcccttcca ctacgaattt caacttttgg tggagtgtat agggaacaac tccactgag 180
 tggatccacg gacgccccga cagacagctg taaggggggt taatatccat tatttgaag 240
 gtaacttggc atgtgtgagg gcatatctgt actgggaggt tgatctct 288

<210> 10104
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10104

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cccgagttca cgattgctac tccatatatg tccgtgaaat ttgtagcggc gatactcttc 120
 catgcgagga ctgttggcct catgggttatc ggctattgct agaattgtgat attcttttgcg 180
 tgaccagga ccccttcgtt cgactgtttg ttatgggcaa attagacttc attcatggta 240
 agttctagtt ttccgtacct cgctgttggg agcttggact tattcactct cttacgggtgc 300
 gacaaaagtc ttgttgggtga cgacttttaa attggcgaga caatgcaaac cttgtgtgtg 360
 aactctcacc cattctgcgt gtccaccaca cgatgacatt acgtatgcct ttcagatcta 420
 gcctttcttt aacgggtgagt acgaccgctt agn 453

<210> 10105
 <211> 475
 <212> DNA
 <213> Glycine max

<400> 10105

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 atacatggtg tgagtaacaa gcttcacaca ctctatgtac gagggatttc aatcatggac 120
 catatgtata tatatacgcg acgcgacata cctgtcatga aagggttact ccaccattcc 180
 acgacctata tggaagcaca ttggtatgga aacacattgt gtgtgcgtgt gtttgtttta 240
 aggtgacgct gcacattcta atattattgt atgcataatt aactatgcat gcacgaggca 300
 ggcattaaag aatctgagtt tattgaattt taaaactagt aaatctaaga atttaatttt 360
 tatcccataa ttttgcttaa aaattaaatt ggcatttact aatattttgc atagtgtaat 420
 taataaactt aaccacatat taaataatac attatatgat attacatgag ctata 475

<210> 10106
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10106

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 agaatacgcc cagttaccta cgagtcaaaa gacatcttta cttggaagaa tgaacatagt 120
 taaggtaaaa atgaactcat ttcacctgaa gcaagcaagt ccttccatct attagaaggc 180
 gagttccagc tgctgcttcc tttgcatata tttatagcaa gaaagtgaag tataaaaaact 240

tgctttccaa cgtgatcacc ttgcattggt ttaataaacg gttacatagc accatggcta 420
actaggataa atatgcacca aatgaactaa tcaggtagct gaatag 466

<210> 10109
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10109

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ctttctctct ctagaaactc tagacatgca aaactttgaa tcccagtcca aactcccttt 120
ctaaaatcta atttcaggct taaatagggtg gccttggtcg tgctcatgcg cttagcgcac 180
ttctggaccg cttagctcac atgagtnгаа tttggcttag cgcgtgcctt tctcgcttag 240
cggatgaact gaattggtgc gcttagcaaa cctgtacagc tcattctctt ccagagtcac 300
cctcacgttt agcccatgag tgttgcgctt agcagacgct cgctaagcca gcagattggc 360
ttagcgagaa ggtgaaaaat aacacttttc aatgctttcc taattaacct gaaattgaga 420
gaaaatgatt attaaacaca caaatggaa gtactaagta tttattacct at 472

<210> 10110
<211> 321
<212> DNA
<213> Glycine max

<400> 10110

tcgtgtgtgc atttgttgaa ctgtgtgtaa tgtaaataaa tcgttgtcta tttcgcatte 60
tttactactgc attctaagca cccacgggtt tgagcaaaaa ggggccctac acccgtgttc 120
atgggaattt aaggagtgga ggtgaatcta tcatcatgct aagtctccga cttgcttgat 180
aatagtgaaa cctcgtctag agctttctct ctttataatg tgttgtcgct ggtattccat 240
accgccacaa tattattatc ttgagtgatg atacctctag aaaacagccg tgtgagttat 300
gaatggttgg ggaaatagtt a 321

<210> 10111
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 10111

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aatataatat ttaataaaaat aaaatattaa atatacataa tgagtaataa tatatacatt 120
ctactttntt tgaactacct aattntagtg tgtttcttgc attaatgggtt atggagggttt 180
gaaaaatatg aattctcata aaaaaatac cattttcccc atttcatata aataatgaaa 240
aaataattaa tgatttagat tgggccatca agtctcaact ctaaacacat agtaaaaaat 300
gttggttctaa caaaacgaaa atcaatacaa actagaaaat tcaaccctt caaaagcagt 360
gcaatttggc tctcacttgc aacttgcctc tcacttgcac tgattcagaa tcttaaaata 420
tctttcctcg gtgtgagaca aanatgtcaa attatgaaga a 461

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<210> 10112
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10112

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ctttttgggg aagggttcaat ggataatggg aaagctgtga aggccattct tggaattcat 120
gcctgtatag tatgcaatca ttanggcaag catgaatctt ctgatacttc ataccatcc 180
aaggtcacga atcatgtcct ccaaccgatc tccatttctt acatcaaacg ggttaaaatt 240
gtgacctact ttgcatgtct gtgacttcac catgccatat tcacgtcgtg taattcttct 300
taatgccatc acacaataga tgggtccccga tgtcatcgag tagttgtcat cttccatcaa 360
acagntgatg caaggacaat aatat 385

```

<210> 10113
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10113

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cttgcccatg agtaccgtga tctcttactc acctcgcggc atgcaagctt aagagagata 60

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tgatggaggc ntgtgacagt atttacctag actacacgac ctctgtctt ggtacgggca 120
 tcacacctgg acatccttaa atctctagtc gtcacaagat gtattccac gacattatat 180
 agatgttcaa gcttgacagaa tgcattccaaa tgagcactcg catgaatcac aacgacaaaag 240
 tttcgtatga ccatgcgacg aacataatag aaatggcggtt ttaagacgcc tgaccgggga 300
 agatgtatcc acatcagttc gacctgatat ctaaacgggtg gatgctttcc actggattct 360
 aattatgcag caagatgcat gcatgccaca cataggtgat ggatatgtcg ttgcactatc 420
 attatgcata accctagaat ctgagattta tacctgcaat gtgacaaaagg cttgcgcgcc 480
 ctctgtgctt cagagtcctt acctct 506

<210> 10114
 <211> 232
 <212> DNA
 <213> Glycine max

<400> 10114

gcaccatgcg gcattcacat gatgttgtca ctgacattcc tatcgccctg ataggacacg 60
 gaagtcaagg tgtgaaggag tagacttggt ctacggttat cactctatgc gaagcgctta 120
 tacatttcca taagacattc cgcggcactc tttgtataat tggaatcagc gctcctactg 180
 acctctcgaa tgcgatgctg tatgatcata atactcctgc gagttgagtg ac 232

<210> 10115
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10115

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 tggcagacag caaggggtgg ggtgggtcag agccatagca gtggtcaagt ggagcaatgc 120
 octcagtgtg gtgccaagtt ttctcagtt actactttgg tggaccatgt gcaaaaagtt 180
 cacgagagga gtggcaaccg atctggagcg aaggttaciaa ttgatgggtg tccaaaatgt 240
 agtaaaggat ttcgagatcc tgtggcccta gtggaacatg ttgagaagga tcacgggtgga 300
 agttctagat cataggtatg agttgatatt gattnattga atgaatataa cttgaagaaa 360
 ttacatattt ttgcaataat tagcctggaa gaatatagtt ttataaaca tgaatacatn 420

gagagtgtaa acattgtcat tcaatcat

448

<210> 10116

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10116

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ctcaaggaag ttntctcaaa gaatcttctc aaggaagttt tctcaagaaa gcttcttaag 120

gaagctacct agtctataaa tagaagcatg tgtaacactt gttgtaactt ttatgaatga 180

gagtcttgtg agacacaact caaagttcaa cttttttccc tttttttcct tcaatttctt 240

gctccacccc tctctctttc tcttctctct tcttttcttg cattgaagca tctctctcaa 300

gctttttatc caaggctcat cttgggtggtg aaactcctnt cttcatggct tattccctag 360

tggatggctc ctntctcac ctctnttctt ttgtcttcg ctgcactntc aggggtggaaa 420

atcaccatta aaagacctca ttg 443

<210> 10117

<211> 487

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10117

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cacaacaagt ttccacatc cacaatgcgc gcataaacc accatcccct gttgcccacc 120

tccaactgag ctcacgtact cccacgtagc ccatatctc gtttctctca acaccgggtc 180

cccatcaatc ctcccaagcg ttcacaacat ccaagcaaaa caacattcac acagcacaag 240

ctatcacagc caagcaaac aaagcaaagg caganaactc tgccaaaaca ccaacaaaaa 300

atcacagctt ttccactca aagacccag taacaattcc ttcgatccaa tttgttaacc 360

gttggatcga ctccaaaatt ntactggaag tctatagtac ataagcctac attttgaccg 420

ttgggatcta ctagcanaca tccagaactc attntacatt actctntcca caaccagcaa 480

atacatg 487

<210> 10118
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10118

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 tttcgtgttc ctgtaacttt ccaaataaag ttgcaagaga catgttagaa agatctcttg 120
 attatgtaat agttgttacc tttggttgcc attccctgct taaacatctt agaactttat 180
 taataagatc ctcatggga aatatctttc ctaatgatgc aagatgattt actatgtgtg 240
 tgaatctctt ttgcatgtcc tgtatagttt cattaggatt cattctaaac aattcatatt 300
 catgagttaa ggtattcatt ctagacctct ttatatattgt tgttccttca tgggttactt 360
 gtaaggatc ccacatatct ttgcaactct tgcaatttga caccctaaag tattcatcca 420
 ttcctaattgt agatgtaatt gtatttntgg ctttttaaata ata 463

<210> 10119
 <211> 493
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10119

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 ttggcaggaa gacacttaat gagcttggag ctattgtctc cacggtgcat ccaaagatga 120
 aattccccac cctgaggggg agattatgac tatcaaggta gatgaaaagc aagcacaata 180
 gtgctacgca caaagcctaa agatggcacc ttatcctccc accaaggagc tggctaagcc 240
 tcaccccaaca atggttgaag gtactccaag tcatgagcat gaaggaaaga cctctaattct 300
 gagccctaac catataccaa gccatcttag atgatgaatt cgatatagat ccatgcaaca 360
 acacttctaa canaggccca aagcccattg aagagctcgt caagctgcag ttgggactca 420
 aaccggggca atgtacatag ctcaagccat gagcacagat gcatcgctga taccctacat 480
 cagaatgtgg acc 493

<210> 10120
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 10120

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 gtcaaagaga agttcaagtc catagccatc aaagtctgaa aagagtagga tgaactaagg 120
 gacgtcaata tggccacagc tgaagccttg gaacgagaaa ccaagaatgc ccgaaaggaa 180
 gaacatgacc aaagcaaagt tttgaggggc tttatagggc agcaatagtg agtcaagct 240
 ccgaagaggt gaaaggaatc atcacgggtc aaaggcatga tcttgaagga cgagctaaag 300
 gcttgcctta tgtcgaaaag aaatttgtcc caacagctaa gcgagactga agggaatatg 360
 tgggccatca tcgatgagtg caaagagaag ctaaattctag cggcgactca cgagcaaagg 420
 ctagaggatg agtacgccaa gata 444

<210> 10121
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10121

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 aagaaaacag ggcaaaggca gaaaactctg cccaaaacac attcacatat taccactttc 120
 cttactcaaa tatcccagta acattctctt tgttccgatt cgctaaccgt tggatcaact 180
 tgaaaatttt actggagatt actagtacat aagtctacat tttgaccgtc gggatctgct 240
 ataaaatgtg cagaacacaa tacgtactac ctttcccata accagcaatg cacaagcatt 300
 ttctacacat gaacaaaaat tctgctgcac aaatttgaca acaagtttct gcataaaagg 360
 gcatagttcg aaatccatct tcccacatg caatnttgct caaataggat cctaaaagtc 420
 ctaaattcatg tataaagtat atttaaacca acaacaagct 460

<210> 10122
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10122

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tgatgatacg gtgagacgaa tgaatggaga tagagagagt gacaatccta tggtattgct 180
ttgttactta actcctacct catgataaga aatacactac atacacagga tagacaccac 240
acaattgatt acagcaggat aacatagtta ttctggccac taaatgagcc ctgaatgtat 300
aatactagtt aagacaatga caagacaatg actgaatgat taattaaatg accatagntg 360
taactagnng cagatattta ttcattctct taaatattat aaaaactcca cacatcta 420
gtaccttagn cagtgatcag tgcagcgtat tt 452
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<210> 10123
 <211> 500
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10123

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gctttaatgg agccttgatc atttactcag ccctctcacg cctatttata acaaagaaag 120
gcacttggtg gacttgcaac tcgcccgaagt gagttgttgc ttcactctaa aataacttgg 180
ctcgcccgaag tgagctgggtt acttcaacct taagccatat tggggcccag gccaccaga 240
agctatccaa agcgagccta agtcacaaaa ttgcttgga tgaccttttc cccttccttt 300
gggtaatttc tgcattctaa ccaaaacgcg aacgatcttt ctcttgcatg gaaccgatgc 360
gaacgggtaa ttccgctacc agaataaaat accacgaatg aatccctggc aaatttggtc 420
tgcagtacaa agattatcaa gctgacgaac caaataaaga atgaacaagc aaatctgaaa 480
gacaaagtga ataacgatct 500
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<210> 10124
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10124

gtttctcaaa gaagcttctc aaggaagttt tctcaagaca gcttctcaag gaagctacct 60
 agtctataaa tagaagcatg tgtaacactt gtggtaactc tgatgaatga gagtcttggtg 120
 agacatactt caaagttcca cttctctacc actttttattc cttcaatttc gcgctcccc 180
 ctctctcttt ctctccctct ttcttttcct ccattgaagc atcctctcca agcttcttat 240
 ccaaggetca tcttggcggg gaagctcctt cttccatggc ttattcccta gtggatggcg 300
 catgctctca cctcttctcc ttgtcttcc gctgcatctc catggtggaa aatcaccatt 360
 aaaggacctc attgaagctc aaagatccag cctncataga agccctaca 409

<210> 10125
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 10125
 caccaacaag gaataatgga ctcacacggg ttctctgtat gtataccagc agcacaata 60
 cagtgtaaccc atgaaacca accatcattt gctgttcacg cttcgtgcgt atatgtctaa 120
 gtgtgaagca aataagcgag ctatacaaaa gagccaaccc ttaccaactt cattaacatt 180
 cacgtaagtt ctgatcatga ttataatcga tctcctttcc tttaaaaga gatcgaaaca 240
 atcatgacgt taaacaattc acacaagccc t 271

<210> 10126
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 10126
 ctaatcaatt gaaatcgacg gtgtgggatt ttcctgtac tctactatgg gcaatattcc 60
 ttggcaccct taatcatggt caatttggtg gtaagattac gtcttttaat ccaaaaaagg 120
 aaacttgggt accatgtgag agtaatttgg ataaatgaaa atagttttgg atgttatatg 180
 catgagtatt tcaatgcttg cactactacg aaagtgtgtt ttttatgaca ggcgctctac 240
 ttttgaatt atgtgtctga gaaatccttt tatgatgcac attctaagac gggtattgaa 300
 aaccgcctta gaatgtgtgt tcctcataaa aaattatgac gggttctatt aaaatccgcg 360
 ggtatctcaa ttgaattcaa aagcccaatt aatacgagtc cacgt 405

<210> 10127
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10127

gatccttaag cacctgcagg ctgcagcttg tgatcaactn ttcttctgtg gcgacattct 60
 gtcaaaccag ttatcaagtc ccattgactt cagcaattcg tcacaaatcc acagattccg 120
 ctctgcttcc tctctaaaga tgattgtgag ctggcattga gaatccagct tatgaaagtt 180
 ggagcaacag gatctaaagc tcttcacatc gtttcaatcg actctctcta catanatttt 240
 atagcaagtt ctaggatgca cccactccta tgaggattgg aacgcattca tgattatctt 300
 cacaagcaaa caatagccac agcttgtcaa cttcgcactc agcttcgtgc tacgacactt 360
 gcaggcgaat caatacatga atttgtcata gattcaagca atttctcgat ttcttgcttc 420
 catgggaagc tcaattatgc ttcacgagca tattgattct attcttga 468

<210> 10128
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10128

tacaatattg cttattacac atgagagatg aatatatata aaattgcact cgtataactt 60
 tgataagtct tacatcattt ttataacttg atatagaatg tgattcttat taatcaaccc 120
 gccgaattat atctatgcat tattaaaatc atctatgtca aagtttgtca aaattgaata 180
 acaataataa ggtaatcaaa tgatttatat tctaataatat tttaaaatat ttatattacg 240
 tcgactttta tatataagaa caagataaca agtgattttg gattaatatc aaattttaca 300
 tatgtgacct atgtgaaaaa aaaaaacttt taatccaacg atgagtctta agaaaacata 360
 tccagttgaa agctataata tgatataaaa attatcacag ctatatacat cgaattcgat 420
 ctctcctctc tatttctctc tctatata 448

<210> 10129
 <211> 419

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10129

ngctngagaa atattataat ttgtgggatc taattcttgg ttctggtgtg gacgaggtaa 60
tttgcattta gaaattcatg tcttggtttc atactcagtt aaattctgtc ttcgataagt 120
gtattgecta cgaccactgc ctactgtag cgctttctta atcaattgca gaatatgtga 180
tcaaaatacc aaacaattaa aatggcta atttatctat attggaaatt cttattgcac 240
taatgagaag cttgatccat aagaaatata gatggattta tactttgcgc ctagagtgca 300
gcttgtgaac taatgaaatg attcattagc aagatgcaaa ttacaatcct tagcatcctt 360
atctccatcc ctaaagacc aggtagtact gtttttcaac ctcagtttca ccttgtctca 419

<210> 10130
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10130

tattcttgtc tagctagata ttgttaaadc cttataatc cttctaaagg attgagtctt 60
gccctccgta tttatgttat agacacttaa ggtgtgtttg atctgttaag aagacagaat 120
aaatagaata acattgaaac aagtaattga atcacaagat aatttttttg tattgtacga 180
taatggccga tgaaatattt aaataaatta acaacttatg ccaacagcca aggtggctct 240
ctctggcgac caaaatacaa cgtttgaaga gggggacaca tgcaaaaaag aaaaaaatg 300
tatggataat aaaaagttaa aaaataagaa tagtattgta tgcttattnt tattagatat 360
aaaacagttt atacgggtta ataaattaca agtttctgaa tatctgtgta atctattatc 420
ttttattatg tacttttcct ttattata 448

<210> 10131
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10131

agcttggttag tttcataggg cttgagtctt aacttatcca gctcattcaa ttgttgctac 60
ctgttgctac ctacaagcct aagatcaaag tttataaact atagagccca catggccttg 120
tgaacaagtt caacaagcaa atggaaattc ttgccataaa ctagactaaa gggagacatc 180
aaagtgggag tcttaaaggt ttttttgtat gccagagtg tggtcattcca attcaatgac 240
caattctttc tagatgctct cacagttttc tctaaaacct tctttagtta cctattagat 300
acctcaactt aaccaattgc ttgagggtga taaaagtaa taaccttatg ggtaacacca 360
tatttagcca aaaggctatc aaacaattta atgcanaagt gtgttcccc atcaccaatg 420
attgctcaag gtataccaca gagtgtaaaa atgttctatt tcag 464

<210> 10132
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10132

tcttagttnt cgatgatgca gatgagtttg tggctacctc atgcactcct ctaatgacta 60
tagcatcatt cctagcgcta aactgttggg agttggaagc catcttctta attaaattcc 120
tggcttcagc aggggtcatg tctccaaggg ctccaccact ggcagcatct atcattcttc 180
tctccatggt actgagtcct tcataaaaat attggagaag aagctgctca gaaatctggg 240
ggtgagggca actagcgcat agttttttta atctctccca gtattcatat aggctctctc 300
cactgagttg tctaatgcct gaaatatact ttctgatggt cgtgggtcctg gaagtaggga 360
catttttttc taagaatact ctcttgaggt catcccagct cgtgatggac cttggcagca 420
ggtaatat 428

<210> 10133
<211> 216
<212> DNA
<213> Glycine max

<400> 10133

tattgaacga gccatgctct ttctcgggat catgccttac tttctatgct tgaaacacac 60
attgttggtc ttgaatgtat gaaaactatg tatgaacaag atgaaacctt tagagaatat 120
ttgaaaaatt gtgacaattc ttcagaagaa aggtttcttt atacatgaag gccttctttt 180

caagaaaaca aattgtgtgt gcctaaatgt tctact

216

<210> 10134
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10134

tcgtcctcaa atccctcttg ttggattgag ctcaattaga cagtcctnct aggttttagac 60
taacttaaac taagtttcat cctcaaatcc ctcttggttg acttgactta gtttagccta 120
atttagccta agctttgtcc tcagatccct ctgttggtgac tagactttga ccaaacagca 180
ttattgtaac aacatactta aaacaaaac ttaatctgca gattcctctt gtgagaccga 240
agttcaattc tgcttcattc aagttctaag tggttgatca agtggccttg gaataattaa 300
gaaggcgggg ttgaattaat tattgatgaa cctttactaa ttaaaaaact tatecttctt 360
aattactaga ttcaattacg cttttactat aatgttaaga aagtcaagaa cagaaatata 420
acttaaccaa agtaaagcga taa 443

<210> 10135
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10135

agcttgtagg attatggggg acccatcaca tgttgtgtact aggtggcggg cgggtgatgg 60
tgcaagtcaa ctctccacat ccacaattca cacataaacc caccatcccc agttgcccac 120
cttcactgag ctcacgtact cccaogtagc cttatcctc gttcctctca acgccggggtc 180
cccatcaatc ctctcaagct tgcacaacat ccaagtaata caacatccaa ccatcgtgaa 240
ctatcaaaac caagaaaaca gggcaaaggc agaaaactct gcccaaaaac acaaaccact 300
atcacagctt ttctcactta aataccccag taacattctc ttctgttccaa ttctgttaacc 360
gttggatcga ctggaatatt ntactggaag tctctagcac ataaatctac attatgaccg 420
ttgggatctg ctagaaaacg tccagaacca aatctgtact actctttcca c 471

<210> 10136
 <211> 461
 <212> DNA
 <213> Glycine max

<400> 10136

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tccccccatt tacgaatgga tcctaattct gctgtgatta cgactatggg ctaccaatag 60
acgctggaat accatcattt ccttgaatta aattctgcac ggaatatgtt aacacatgct 120
ccgcatactc agtgatacaa tgccatactc agtgccatta atcaataacc tagggactac 180
aagtgacaaa gggcaacact tgtaagacaa taaattgata ttcattcttc atgaattgat 240
ttattttaatc agagctaaag aagttaagtt aaaagaacca gaaacaagaa taatttactt 300
tgacattcta cagtcatcat tcatgaagat agtataatgt ttcaacatta ggaaacagat 360
caccatgcag cttgcacttg agagagaaga attcaaaata acaataatac gcagtgggtga 420
tgacattaca ttggcaacaa cattctaact caataaccct a 461
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<210> 10137
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10137

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gatctctgag tcacctgogg catgcaagct tctcctcttc acttaattat ttgtatttgt 60
tgctattaat ccatgcatgc ttagtgctta attaatgtgc tntgcgctta atttacgttc 120
atgcttaatg atcgttcatg attaatgggt gtatgtgttg cttaatcaca taatgaatgc 180
cttatgttaa atttcgctta gtaatttaat ttaaggctca attaagtggg tgaacttgat 240
aaaggataaa ttctcgtaac ctatgataag agacttgctt gtaatcaagg ggaagcaacg 300
tggttttaatt gatattttct aattcaactt tattcgctgt ttaatttaca aaaaccaaac 360
aacccccccc cccaattcgt tattgggtta ttactatcta ttacgaacgt tntgggtgatc 420
attgctcggt gggagacgac ctangatcac ttcttagata ctacattttt a 471
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<210> 10138
 <211> 458
 <212> DNA
 <213> Glycine max

aatcattaca aacaaaggcc aaacaacact tctcatggca cgagtgtcaa catgcacttt 120
 ataaaataat catattgggg tctgtctatt ttatgacaca tacgtatttg cacacataaa 180
 aattctgtgt gaaacatttt acaacaccta tccatgtata tatttttttg acaaaccttt 240
 tcaatgctac atcctatata tatacacaca ttntnttgga aggcttcttt tgttacctac 300
 tcacaaatac acantatttg aaaaacactt ttacgctacc catccaacac tttgtaaggc 360
 actttatgct atatatattc atattatg 388

<210> 10141
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10141

ctgcagctta ctgaattgct ggtcttattg aagaacatgt cttctgaaca aaacactttg 60
 ccgaanaatc actacgaggc caaaaagaat ttgtgtccag tgggaatgga gtacaagaag 120
 atccatgcat gccctaataa ttgcatattg tatagaaatg agtatgcaga actacagcaa 180
 tgccccacgt gtgggggtatc acgatacaaa gtgcaacatg atgaattaac tgatgatgca 240
 ngaacaaaaa attgtcatcc tgccaagggtg tgctgggtatc ttccaataat accaagggtt 300
 aagcaattgt ttgctaatac acatgatgca aaaaaccttt catggcattc ggatgaccga 360
 aaatctgatg gattactgag acatcctgcc gattcgccgc agtgggaagac aattgatcgt 420
 ttgtatccag agtttgggga tgagcca 447

<210> 10142
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10142

tctntgagan aacttccttg agaagctaga gcttagctac acacaccctt ttcataacta 60
 agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga gcttagctat 120
 acatacctct ctaataacta agctcacctt cttgagaagc ttccttaaga agattgatgt 180
 gccatcattt tcttctattt tctaaacctt ttttgcacca ttttaattac tggatgggtc 240

taatcgtcaa ttaatcaggc agttttatta tttgggctca tttagctaatt ttgatgtttt 300
 taatctaatt tcaggaatta atgaaacatt gggcttaatc cggattttgg ttatggactt 360
 gaagagggaa aattaagcag cgcttacctt agttaatttc taattaggaa gatttcgcaa 420
 tttatntat gttgttcagt gtttatttc 449

<210> 10143
 <211> 522
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10143

cgtagcgatt gtgacaccct atctctagcg tcacctgctg ctgcagcttt nctattacta 60
 atacttggtc nacatttgaa cggagatcac ttgattataa cgactataac gcagccaatc 120
 tattacacta ccaccttgta agaataactt caagaatata ttgactcttg agaagctgct 180
 tcttttcgtt acgataaatg tgttcgctgc cgcgtaactt ttcaaagatc ctgatacttg 240
 atgctcacag attttgccgt tatcgaataa tgacgctata aatatattta cttatacaca 300
 cattatgctc atatgttaca atgtatgtat agcatgaatt aaaatattct ccttcttctg 360
 tctaacatat ttccatttat taaagtgtcg attctacgaa gaagacatca ctactcctgc 420
 tattgacgtg tggcctttaa tcaatatatc tctttattct cattgatgaa aacgaccttg 480
 actgacatga taaatctcac cactgggtgt cg 522

<210> 10144
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10144

atgtgctcgg atcgctcatg atgagcatgg tttgaagcaa gacttatagc ataattatta 60
 tcataaaagt acatcacaga gggctcatca accccaaagt gaagaatcta cttggtgaac 120
 cgatcgattt cactactaac agaagacaag acaccatatt tctccttcgt ggatgacttc 180
 gaaaccgtgg ataattcctt aaaacnccca aaaagaaagt tattttccaa atagacacac 240
 aagtcagaag tggatcttat ggtatcaaca caacgggccc aatcagcatc tgccaatgca 300

gcgatggcga gagagtactg agcagggaac aacactcctt gtccat

346

<210> 10145
<211> 467
<212> DNA
<213> Glycine max

<400> 10145

agcttcacct tctggctctc ctcatagttg tggcatgaga aaacatgctc tattttcatc 60
tcccactcca agtaggcctc cggatcattc tttcctttaa atggaggaat gttgagttta 120
ataccatcaa ttcggttttg tctaggaaca ccatcattcc ctcttctcct cctttcttct 180
tcattatgat ctctattctc catttgatcc aacctctcat ggagcgcac actctcgtgt 240
ttcattaacc tctccatag ttgcatcaaa gcttgcattt ggaattgcga aagccccact 300
ccatcattag gattagtacc tgacatctca aacaaacaaa tcaaacgtaa caagacaatt 360
atagttgctg gttgaatacc tcaccactc aagtgtatca cacaattatg gcttttctct 420
aatgaaacac tcttgccttt taccactcta attccccctg agttctt 467

<210> 10146
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10146

tactcagctt aacattcaat ttcgtgcgtc tcgatatggt acgggactca atcacacatc 60
cgagtaaaaa gttatggacg attgtatcgg ctcatagctt caactttcaa tgataagcgt 120
ctggatatgt tacgggactc aatcacacat ccgagtataa agttatggtc gtctgaattg 180
gcttagagct tcaacattca atttcgagcg tctcgatatg ttacgggact caatcagaca 240
tccgagaaaa aagttatcgt cgtttgaatt ggctcagagc ttcaacattc aatttcaagc 300
gtctcgatat gttacgggac tcaatcagac atccgagtaa aaagttatgg tcgtttgtat 360
cggctcagag cttcaacatt caatttcnag cgtctnnata tgttacggga ctcaatcaga 420
catccgag 428

<210> 10147

<211> 367
 <212> DNA
 <213> Glycine max

<400> 10147

acttaattag actgaaggga cacttgacac actcaaacta agtaccctgt ttgacaacat 60
 attcacatat ttatatacagc acgtcttgac cctcaacata tatggacaat gagaatcact 120
 cagccgtgat tatcaccaat aaactcactt aaggataatt acttgattag aagtggctca 180
 acatgattaa aaggtgtatt acacaactgg taatcagcca ttgcagcagc acttcacttc 240
 tcttttgacg tatgcaacta tccaacacta ttagaaaata tgctttctac atcggttatt 300
 tatgactttc aacatcggtt cttgaccgat gttgaaagac cgaccgtgat agtattatcg 360
 ataacat 367

<210> 10148
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10148

tataagcctc attatctggc gtggttagatt tcccacattc accatcactc tccacccttg 60
 caatagtact cacaagcacc acaaaccxaa caaggcatag caacttcaca caataagtac 120
 aaccctccat tattttctcaa tattatgctt atgtctctct attagcgaaa tgtttctctg 180
 ttgatttcac aatgcaataa cccctttggc tctcatggcg ttttatagcc taacatgctc 240
 caaaaaagtg cttggccttg tcaccctctg attaatggag cttgcactan gacaaagggc 300
 gagttttatt attgcaccac ttatgaacat aaagcacgtg gtaacacaat tttgctccac 360
 ttatntgtcc aatcaacgta ggtgtgtctt tgccaacaca attctttttg ttttcttact 420
 tccaaatg 428

<210> 10149
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10149

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 ggatgccccca cattatttcc atgacataaa tgcaaaaatg atgatttga aactttatgc 120
 aaaactggtc atgcatgcac ctatgcgac actcaagtgt caaaatttta tggatcatgtg 180
 atgctagggc tcangattca tttcctccat tttagtaacc caatatttcc aaaatatgtt 240
 ctttatcaat ttggcattca tccgagtcca ttntcgggcg tccgggaaaa tttcacagca 300
 ttcacccttc aggtgtacac attntttttt caaaaactag ttatgatcaa cgatcttttt 360
 caaaaaaag ttggaagtca tctcttttca caagcatgt 399

<210> 10150
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10150

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 aaattgaagg aataaaagag ggagagaagt ggaactttga agtatgtctc acaagactct 120
 cattcatcaa agttacaaca agtggttacac atgtttctat ttatagacta tgtagcttcc 180
 ttccttgaga agctctcttg agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240
 gagaagctag agcttagcaa cacacacccc tctcataact aagctcactt ccttgagatg 300
 agaagctaga gcttagctac acacccccctt ataatagcta agctcacccc tatgaaaaaa 360
 tacatgaaaa tacaaaaaaa tccctaatac acagactact canaatgcct cgaaatac 418

<210> 10151
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10151

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 gtagagccct gtgtgagacg agtcactgct tcaagttggg caatgggtggg ctgacagata 120
 ttgtgttctg gcatggtgag gtagaggagg aggaggctgg tcagaccaat tgttagtggt 180
 gacagttgta tgtctatatt aagaattaat tagacaactg ggatgttatt tctgcaatta 240

cctccctcct tcttggatct gctgggccac gtctagttga aggtgctgga tgagttcctt 420
 cttggtgcg cttttct 437

<210> 10154
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10154

cgagtgcg aaagagagag aggcacaggc ttgttgctcg tgtgctgaag tgtgtgtaag 60
 ctctacatgt gagcgaatat gttgaggatt tgatggaacc tgctatttat aggagtggag 120
 cgtagctgtg ggtccctgtt tgtaggggtt gctatagtct ctgcagataa ttaccgactt 180
 atagataata cccgagagct tgtacataat gttagagaaa aaatgtagct tatacataaa 240
 agctaaaaga taattgnacc ttgtagatag tgtgtggctt tatagataat taactaccta 300
 ccaatagata aagatattca tatattaata ggctagagat aacctgctag ttacggaacc 360

<210> 10155
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10155

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 tacatatatt agtattgtac attcaagaat aattgaaaca cattatagat agagaaaaag 120
 tgcattaaga gagtgtgcat taagagagtt gcattgtctt atatttttct tatatcataa 180
 aagtcttttc aattgtatgc ctattttttt atgtctagat aaattcgtga tgtaactaac 240
 tacgaatatt atgcaaaaata tcatttataaa ctttttcaat caagaagaat cattaaactc 300
 tgcatacaat tataagtttg taacaataaa cagacaatat taaagaagaa aaataagttt 360
 atttggtgaa caagtttatt ttaatgtggt ttttgatctt catcgagaat tcatacagtg 420
 gataaaanac gtgacaatta gaagtaatat agtggatttg gtccatgtct tc 472

<210> 10156
 <211> 437
 <212> DNA

<213> Glycine max

<400> 10156

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catttggtgtt gtaatctcgg ttaatcactg ttaaaataaa attcaaccga tcattcacac 120
tgtaacctcg ggtaataaaa aaagggtaaa taagctccaa tcgaacactt tactttaaaa 180
gttcttataa atgagttgat aaataatcaa tgtttagttc ttaaagaact acgtaggtct 240
gatttcctca ccgcaattga ggatacatag gaacaaaagc cacgcttttg tcgaccccaa 300
aaaggagag attgttaaag gtccaacgcc ttaacatttc tctccttcca taaaatcaat 360
agatcgtaa aggtccgacg ccataatgat tctctccttt caaatcaag tgattattaa 420
aggtctaagg cctgaac 437

<210> 10157

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10157

agcttattat tattattatt atgtcgttgt tgctgtttcc tgacagacaa aagagagtac 60
tcattctggt gatgaatctg ttgggtgctaa tcaataattg aagacttata tnttggtggg 120
gaatataatt tatacggaaa agttcctgca ggtgaagaaa catttcggtg ctttatatgg 180
tgacaaagta ttttttcccg aagtgaagata ctgagnttct ttgtagggca ttcttaaatt 240
ttctaatacat taaaaaataag aacttatgga aaaaacgcac tccattagaa gtnttatata 300
ttcaacacct accacaacat cttgacttga gcttngcaa ttaatttgat ttacccttat 360
cttgactatt agtgctttct caatttaaag catattaaac taattgattt acatcgataa 420
gctggcatat atgcctactt gggtgcttag atata 455

<210> 10158

<211> 349

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10158

tgtccgaacc atggaccgng tcatgggatg ccacatcaac ggctctcttg ttcctttcct 60
 caaagaagcc ggtgctctct ggctctgaaa agtagacca cccaactaac gctatctaag 120
 tataaataaa caaaaaaaat atatatgaga gaggaaaaaa aacagggttta ttaaacagcg 180
 cttattatta ttattattat cagaggaaaag ggatgaagtg gtccttttgt gagtctcttc 240
 ttctctcatt ccattctgga tacactacta ctactactac ttgcagcagc agcagcagca 300
 gcttcttact gacttggttaa tcaatcttct ttctttaact cccttcttt 349

<210> 10159
 <211> 431
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10159

agcttctttg ttagacctcg atcggtcac tttctatgcc gaggtcgacc gtcatttttt 60
 tcgatccatt tcggtgaata atattctttt gccgagatgg gcaaaatgcc agtttcggcc 120
 gaataaatgg gaaaatgcca gtttcggccg aaacgaaaag tcggttgggc tcgcacaaaa 180
 aaacctagcc gacctacatt ntaaatnttt tatgcaacac caaaacaaga aaacttcctg 240
 tgccgtaaaa aaataacatt acatgacagc gagcgttttg aaaaacaaaa ttgcgcaacg 300
 tcggctgaaa aatatcagtc ggggctgttt cacgaccgat gtcggctatt gagttttcaa 360
 ttcaatccgt gaacgaaatt tgcgatgatg cggttaggaa atgttcgatc ggcacatcc 420
 tgtgaagctt c 431

<210> 10160
 <211> 391
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10160

tcaccggatg acgccgatcg aacatttcct aaccgacgac atgcttattt cgttcacgga 60
 ttgaattgaa aactcgttat gcgacatctg tcgtgaagta gcgaccgata tttttcagcc 120
 gacattgcac aattcttttt agaaaagctc gctggtcgat aatggctctt ctacggcaga 180
 gtaagtattc ttgttttggg gttgcataaa aaagttacaa tgtacttcgg ctaggttttc 240

gtgcgaagtc aaccgacatt ttgtttcggc caggaaaaca ttagcccacc tctgcaaaaa 300
aatatttgct aaccgtcttc atgcatatct cattcaacga ttgaatagaa nactcaatag 360
ccgacaacgg tcgtgaaata gtccccgactg a 391

<210> 10161
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10161

tggtatcttt atcagtgtta ggaaaattat taagaagcag tttctcatac gactnttatt 60
tgatcaaaga gtttgagaag ttattgaaac cataaaagga aaatatggtg ggatgcaaga 120
aatatctgct attatgtttc tggtagataa tggtttctta cctatatctt ttcattctgca 180
tatatttctt tctgccttct aatgtttacca aaaataacaa actgattagg gccatttcag 240
ctatttggtt agaagccaac aaaatgcaat agttaatcaa ttttctgcaa ttaagaaggc 300
atcaattaat aattttaaag aaaggacaat ctgttatcac atctnctttc ttttattgag 360
tattttgttg gaatccgcaa cagatgatgc ataggacaat tttctatctt gtcttccact 420
gatatttttg ttctttacta cattggtaag ccaca 455

<210> 10162
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10162

catgcaagct tcccgggaca ttctccaaga tggtcattag agaaggtgtt gtgcatgcag 60
tggaccaact tatntatcc tcaaattcaa ccaatatctc tacacaggca tcttctgctg 120
agaaggataa tgattctata tctggagcat catctcgctc tangcgttat cggcgacgga 180
gtgggaattc caatcccgat ggaaatcctt tggacgattt gaaaaactcc agtttcagta 240
aatgttggtt cacctccaag ttctgtggat atgccaacat taaatttcag tattcggtta 300
tctggtagta cagctgcaa agctttttaa gataaatact ttccttcaga tcctgaggct 360
gctgaagtgg gtattactga tgatcttttg catctganaa atctttgcat gaagttaa 420

gctggtgatg atgaacaaag gactaatgga aaggcggaat ctacaacttc tggat 475

<210> 10163
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10163

ntagccaact gagtactcca ttgaacatgg gttctgaaag ggtaataatg acctgctctg 60
ctcgaaaaca ttttctccat tttcagttgc ttgggggttg aaaatgactc acggaaaatc 120
caaaaaattt aaccaacaga gttctgtgag ctgcagtgga gtatggtttg taccctttaa 180
ggtattgacg aggcctgaat gcctgatggg ttgtgcattg cattagacct ctactaacac 240
cccnttttct agaattccta tccactgttt gttttttgtt taagattatg gtgtaactgt 300
caagagaatg gagaaatgca caaaagcttt tattattgcc atttaagatt acacgtttgt 360
agatgctata atacagacta gttggatatc agtttaagtg ctgtagaatg aactgngtct 420
tga 423

<210> 10164
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10164

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atatatcgag aactcgaaa ttgaaaacag aagctctgag gaaattcaaa cgactataac 120
tttttactcg gatgtccgat tgtgtccgt aatatatcgt gacgctcgaa attgacaaca 180
taagggtctga gcaaattcaa accgacaata actntactc agatgtccga ntgaggtccg 240
taatatatcg agatgcttca aattgaaaat agtagtcctt agcaaattca aaacataata 300
aatctttact cggatgtccg attgagtcct gtactgtatc gagacgttcg aaattgagaa 360
cagacgctct gagcaaattc aaacgacact aactgttntc tcggatgtac gattgtgtgc 420
tttagtatat cta 433

<210> 10165

<211> 219
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10165

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 gcatagttaa gccagccccc acacccgcga acaccgctg acgcgaaccc cttgcggncg 120
 tatcgaatat aaccttcnat aatcgatatcc tgatccacag tattacgcga tgcagctccg 180
 accttcattc gtcagtcac cgatcaacac acacatacg 219

<210> 10166
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10166

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 cccaagtatc tagacttga gtggttctct cagcaagggg ttaacttccc caatctgctc 120
 gaagcacagg ctctatcaa gcttggttag atgaaaggaa ccttttatcc ggagctggtg 180
 aaagtcttct acacatgttc tcatgtcaat ttagaaggta atctcttttc tacagttaat 240
 ggagtagaaa tgattatcga tgttgaagtt tggaaggcag tagccaaact ggacatgagt 300
 agagtccaaa agtttgaaga atctactaat aggtacaaca agatgcaaac tnttagaggt 360
 atgaccttg acccaaaaag gaacccgagg aatcgcttag gtgtaggggt gttaactaca 420
 gaagacagaa tgctcgtgta gtcataacc tatattctca ctccaagggtc aag 473

<210> 10167
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10167

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 cgaattatgg agcgcttagc gatgacattg ctgcaacgaa ttgagcttag ctggcatgag 120
 tgggtgcttag ctcgattaaa ccagtttag gccgcaaaga attgagctta gttgccatga 180

gtggcgctta gccatagaat gcaatgcgct tatcgggatg gtcacgcgtt agcccaattc 240
aaaccgaatt gagatgggct tagctcagcc ttgggtagct tagtggacca agtcagcctg 300
agatgcaagg gttgagtgc t aagcgccaga gactctctgc ttagtgcagt accaaagatg 360
cacttagcgc gagtcttgcg cttagcgaaa ggactacttt tcagaanaaa atctctgagt 420
tatttttttag tgccttcctc aagaaatttg acacccttat atgtatca 468

<210> 10168
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10168

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atggacgatt gagtgtcaag agcatctacc acttgatttt cctctctagg aatgtggcga 120
aatgatatat catcaaagag gcccatcgat tccttgatgt acgcctgata aagcatcaac 180
ctatggatcat ggggtctcca ttacactttc agctgatgga tgacaaacgc tgggtcttca 240
cacactttga tcaacttgac cctaaagtct attgctgctc atatccctaa ggtgcattct 300
tcgaactctg ccatattatt ngtaaaatca aaacacaatc tatccgagaa aggcatacat 360
tagttgtgtg gagaaaccca cactgcccc attccatgat ctagtgcagt agacgcacca 420
tcagagcata cagtccactc attcttgctt catctcacct tttgct 466

<210> 10169
<211> 136
<212> DNA
<213> Glycine max

<400> 10169

tattctcttc tccctttgcc aaaaagaatt ggacaacgac taaccgcctg aattcttttc 60
gtgtctctct tctccctttt tcgcaagaac aaatgactaa ctgcctgaat tcttttgtgt 120
ctcccttctc cctttt 136

<210> 10170
<211> 408
<212> DNA

<213> Glycine max

<400> 10170

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aaagcaactg agggaaaaag tttctctcct cacatattca aaacttcaag ttggtaccag 120
agcgggtcgt atccaccgcc gtccgccgcc gccgcgccgc cgtccgccac cgtccgccgc 180
cgtccgccgg ccgtttcaac cggcgactac agggttttgt gtgcctcgag gagcgcaact 240
cagcgcaact aaccgctggg ccaggagctt cccacgcgc cgtcacgcac catcttcgtg 300
cgcgccaaac gccggcgctg gaccaccacg cgccgccctc cccttgccgg aaacgcgcgc 360
gtatgcttcc ggccgtctcg tcgggctctc ctgagtccat atcagtca 408

<210> 10171

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10171

tatgagcagt tccaaaagag agactctggc cggnggtttg ttgagctgct cgatgacott 60
gaactcgctt tgctgaataa tgccgaggaa ctgcctgcc tcctctagca atacttcttt 120
cttgccacag ccattctttt tctctgaaaa acctttcact gaaatattct cgtttggagc 180
ggcgatcact ttgtcatnt gttcttcgc tatctttgcc ttccctttaa cgcttgccgg 240
ttgtgtcggc aggtcagggg gcgcgaacac acgaccgctg cgggtcacgc tgetcagccc 300
cctgatattg gttatcttgg ccgacaacga gctgatgtca gnggcttctt cctttctttt 360
gcttgagggc gcatacctnc acggaactgc gtggctgggt tgtangggaa tggaacaggt 420
ctaactactg agngtactg gag 443

<210> 10172

<211> 464

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10172

agcttcttat ccaaggctca tcttggtggt gaatctcctt cttccatggc ttattcccta 60

gtggatggcg cctcctctca cctcttctcc tttgtcttcc gcttcatctc tatggtggaa 120
aaccaccatt aaaggacctc attgaagctc aaagatccag cctccataga agctccacaa 180
gcaagcttcc atcaagtggc atcaaagcac aagagcttca agtaggtgct ccttanacct 240
ccattaatth tttgctttac cttctctttc attggtgttt cttcattttt ctccatgtat 300
ctcctcacat gtttagtgct aaatgttggt aacatgatcc tttagaatth ccaccgatta 360
aactagctat agaagctaga tttgattttc tatggttcaa cattcttggt catgttcttg 420
aaccatgagt tgtggtgagt ttaggttctt ttgagttttg gctt 464

<210> 10173
<211> 422
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10173

cgcgactga tgggtaccat gaggtgcttg ctgggggtga cccacgcggg tgttgaagag 60
acggcatggg catctncttt cttcctttnt gccctgttg ccccgattct tttggcattc 120
acgtttgtgg aggaaacgta atcaaacttt cctcttttca atccaacctc gattctttcc 180
ccggcaaaca ccagatccgc aaagctggac ggcattgtacc cactagcttc tcatagtaga 240
acactggcag agtgtctacc atcatggtga tcatctctct cttaaccatg ggaggagcta 300
cttgtgccgc cagatccctt catcgctgcg catattcttt aaagggttca ccctctttct 360
tgaacatatt ctgcagttga gtacggtcag gagccatatt agaattgtac tgatactggc 420
tt 422

<210> 10174
<211> 571
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10174

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ctgttccctc gcgaccaga gcaacctggc atcagcatgg aacgccattg atggttcagc 120
tgccgactgc caccgggacg aatccatagc tctgaccacc cgcattgccg aatacaatga 180

agatgcttaa acacttatgg ttgctagtagt acaatactac gtcagaacgg cgctgaaatt 240
 caacgcctac aaccctatac tactagaacg gacccaatac aagggccaaa aaaaggataa 300
 gaccatttct aacagttaca cagaagagtg agtccaacca cagaccatgg gcgcataaat 360
 ctacactcag gttcatgaga accctatggc cttctgtata actctagccc aatcctattg 420
 gagtcttcta tccaataccc taggtgggta agattgcacg gattcttatg gtgtatgctg 480
 agacactaaa ccctgatag ctgatgacag tgaanactat atctgatcaa cgctctgtgc 540
 gcagattctc tcttgcgata actacaccta g 571

<210> 10175
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 10175
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 aagctagatg aacctgtaca ctaccaagc ttgaagctca aaaactgtgc tctcacttaa 120
 cagattaagc ttttgaaca agttcatgac aatttatgtc tcataacaag aaactgtaga 180
 ttctgttgta gaaaatttaa tattagttac ttatttaagc tttctattaa ctcttatttt 240
 ttttagctta tcagttccat tttatcaaag acgcggtagt ttccagtttt atcacatttg 300
 gaattttgat aacttgctgg aactccatcc ttggcaaaaag ataatgttca tatatgaaca 360
 cgaaatacag agatcataat gaacagaaat tgcaaattaa tacatagtagt actcttaaatt 420
 ccagtagacc 430

<210> 10176
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 10176
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 taaaagattc atcaattggc tatattgctg ggtagtaagc tgaaactagc aacccgagtc 120
 accagaggaa ggttgtgagt gagacatatt aacagttact tgttgagcaa ccttggtgtg 180
 tgggttcataa gaagaagaat gtttctttgc ttttgaggaa aaaccattcc tcttataatt 240

cgcaggataa ccatgtaact tgaagcaacg atcctgagta tgacccatca taccacaatg 300
 agcacacaag gtgcgattct tggaagatcc tttgaagcaa ttttcaggat gattgcatgc 360
 aacagaagaa gtcttcaatg caaaagcatg tgatacttca ctagttgagg tggaagcacc 420
 aact 424

<210> 10177
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10177

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 agagagaagg cttctgcaat gttttctgct gagtgaagag agagagagtt gctttttggt 120
 ttttaaaagg ctttttcctc ttttcttatt attttattca agctctgccca catgtcccta 180
 tttgattgga gcaaaaaggg ccacttttct cttttgactg tgaccatac tcagtcacaa 240
 aagtgagaaa aatctgacct ttgaaacgct aaaatcctgc ctcggtttgc gtgccatttc 300
 tctggttcca gtttctcgtg tttctctgcg tccatcgggg ccagtnttcg aaagcaagca 360
 atatgtatat canaacgctc agaataaaac cccgagcgtg gttcagaggt tggtttcggt 420
 aaattctaag tcacacgcaa aacgatgaat ttttaactaat 460

<210> 10178
 <211> 446
 <212> DNA
 <213> Glycine max
 <400> 10178

taaagtatgc ccgagtcatt catccctatg agatgttggt gaagtattgg cgatcagaat 60
 tgccattcct tggattatag ggttgaacca agtcatgct tttacaaaaa aggttcatca 120
 agtcaagttg aaatatggaa gtaaccgtct tgcaaaattg gggcaaaaga tgaatcgagt 180
 cacatcactg cttcgtctac tgccaaacat atttaggatt attgatgcc ttgttacttc 240
 cagtttcacc ttgacaaaaga tgtcatggac catgttgaaa atctaaattg attcaacccc 300
 atatcttggtg taaaaattcg caatacttca actgtacatc attcgcatgc atccatgctt 360
 ttcattggtt gcattgctcg tttgcattct ttcttgaaaa ataaaataaa atgaacttaa 420

tcattttgtat aaaaaagaaa gggaca

446

<210> 10179

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10179

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gctaagctca ccccatgcc aaaatacatg aaaatatata aaaaaaaaaa gtccctatta 120

cagagactac tcaaatgcc ctgaaatata aggctaaaac cctatactac tagaatggcc 180

aaaatacaag gcccaaaaga aggaaaagcc aattctaaca ttacaaaga agagtgaatc 240

caaccttgac ccatgggctt aaaaatctac cctaaggctt atgagaacce tagggccttc 300

tttagtagct ctagcccaat cctcttgag tcttctatcc aatacccttg ggggtagga 360

ttgcatgat tcttatggtg tctctgaga tactaaacce tgattcctca tgatagtta 420

gcctaatacct gatcaagcat c 441

<210> 10180

<211> 479

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10180

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ctccggatgt ggtggactgg aagaggacca ttgcctaggt gacatctggt aaataactca 120

atggagatag tttggtgtgg ccatgactat agttctaata ccacccatga tattaagaat 180

ccctttttgt caacctaaat tcagtttatt taaaaaaaaat tcagtcacct tgtccctaata 240

ttttatctca tgggtttccaa ctttttctct ccactctctc ttcattatct gatatttttt 300

caatgattca actcctccat aacctgtcct gacatgttgg aatttcctta acctagttag 360

attgaagaca aggaatatca ctattgaggc ataatatatt tctacatat agttcattct 420

atacttcaaa ttaaaatttg aaaactcttg aggtctgtag ttagaccacc gacaaaatg 479

<210> 10181
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10181

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 ttntattttct ttgttttaca tgtcttttca aataaaagaa agaaatnttt ttgattttaat 120
 tacactttta gcctctcaac ttagcataat tgaaatttga agatcaaaat cacgaaattg 180
 taaatctaga tttgaatgta gaattagacc tatttttggt taaaatattc aaatgaacgc 240
 taagttctaa caaaaagaaa aatattactc ctccctaaga tttcatttca tctgtattgc 300
 atattaatta ttttttgact aaaatatttt aaactatttt ctctcttctc taatggagat 360
 tggaaaaaga tgaatagatt ctcaataaac ttaagaatat atttgaaaaa atattaacag 420
 tatagtcaaa attaattggt ataaataatt aacttttcta ataagcataa a 471

<210> 10182
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 10182

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 caaagcttct tggatcatggt gcttgagcaa cgactgggag ttccaaaaat gtttttgcca 120
 aggggtgtgtg ctatttcaca tctctatggc tgagtggaga ttctactttg aacgaaagct 180
 tgaggatctt gcacatgact ggcctaagca tgctagtggg gacattgcat tggccacatt 240
 ctggccttta ctattatgtg tacatgtgga gggagaagta tgaatagtta gctattgtct 300
 caagtactat aaatg 315

<210> 10183
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10183

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acggcacgaa cgaacggtcg gaattcattt taaccgaagt taacggataa tacaattcat 240
acgatcgggtg gaaacttatt tatttttagg ttaagcaaga aatggcttaa gtaaaatggc 300
ttaagcacgt caaaaggggg tataataagt aatgaaaca agaatagaaa tacacaaaac 360
acaatgtgga ccaccatggg tacatagaat gaatcgaana gcttggttcg aggtacttac 420
ccgttgaaga tcgaagaacg aatgaagaac gtcgaagaac ggttgaaac 469

<210> 10186
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10186

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atcctacttt gatgaatgta aaactggngc aatgaagagg atgagaatga gggagaaacc 120
cttgctatga ctgccattcc tacatggcca aaattgccat cagcccaaca atgtcattac 180
tcagccaata atagtccttc tcaccaatc atccacaaag gccattccca atcatccaca 240
atgcctgccc gctgcacatc tggtgccaaa acaccaacca aaaaggaatt tcgtagcaaa 300
aagcctatag gattcacccc anattccggt gtcatatgct aacttngctc catatctact 360
tgataatgca atggtagcca tagcccttgc caggggtcct caaccttcat ttatnccang 420
atacgactcg aacgcaacac atgcatatca tggagaagtt ctgggaca 468

<210> 10187
<211> 353
<212> DNA
<213> Glycine max

<400> 10187

atttgactct gcagctctct tgagatactg tattttcttat tttccttgac tttttgactt 60
cttttttgac cacaatgcc aatgtatttta agtttggcca tttatcttta gttaaaatat 120
gttgttatcc ctccccttgc caacaaaaaa ggtaaaaaag cataatatta atcctattgc 180
caagtccctg gctactgcac gtgttatgtg tgagtataa atgttacctc tcctttcagt 240
catctacctt ctttgaaaac ataacaattt acgctgttga ggaatgtggc taagtgtttg 300

aaacttgctc ttattatggt cagagaagag tccagactta aagaagatat tat 353

<210> 10188
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10188

tagacttcaa catacatctt gcagttaaac attctatctt cttagacaaa ctgaacagca 60
gcacaggcca gatacttctc atattgccac taatcacaat cattgttaca attacgcatt 120
agcaataaga tcaacatttg tttaattctaa cccgccccca aaacaacatt tgatataata 180
aaattgcaag ggtctccatc ccaaaattta tgtagctcaa cagcaaataa ccaatcaaaa 240
agataccata tgggtagctc aaaggctctat taataagaga gcgatgtcaa gcaaaacatt 300
agagtccatg tgtgactgaa ctgggaaaaa taaaacaata gaagattnta gcacgtctaa 360
agaaaactag atttgaagtt tctttactac agaaatcgta aatntaaatg ataccatatg 420
ggtagctcaa cagcaaataa ccaatcaaaa agataccata t 461

<210> 10189
<211> 403
<212> DNA
<213> Glycine max

<400> 10189

agcttatctc cttgagaagc tttcttaaga agattcctaa agaagctaga gcttagctac 60
acatacctct ttaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 120
caccctctat aatagctaag ctacccccca tgacaaaata catgaaaata caaaaaaaaa 180
tccctactac aaagactact caaaatgcct cgaaatacaa gctaaaacc tatactacta 240
gaatggcaaa atacaaggcc caaacaagg aaaaaactat tttaatatct acaagataa 300
gctgggtcat acttagccca tggggtcaaa atctatccta aggtcatga gaaccctagg 360
gccttccctt ggatctctgg tccaatctac ttggagtctt ata 403

<210> 10190
<211> 374
<212> DNA
<213> Glycine max

<400> 10190

tcgcatggag ctacatcaaa taaaacacca aatagactta gtcccaggaa caagccttcc 60
 taataggcta acttatagga ctaatccaca agagaccaag gagattgaat cccaagttaa 120
 ggaattgttg gagaagggtt gtgtccaata gagccttagt ccttgtgttg tgcctgtggt 180
 gttggtgccc aagaaggatg gttagtggag aatgtgtaca gattgtacgg ccatcaacaa 240
 cataactgtg aagtataggc accccattcc taggctcgat gatatgcttg acgagttgca 300
 tgggtgcacac atattttcca caattgatct taaaagtggg taccacaaa taacgatgag 360
 agaaggtgat gagt 374

<210> 10191

<211> 191

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10191

agctnggaaa caagangaag ctatccgagt gacttctaac tgtgaggata gatatgcatg 60
 gcattgcaac tcgaaatgaa tattttttaca acaactacat tattttttaac atgacattca 120
 cacagattct gatcttatat agccaatcca atgcgcccga tcttttgttg tagtgctcca 180
 tgtttcatag a 191

<210> 10192

<211> 76

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10192

tagagccata atcntgactc accatatacc tctactcaag gtgttaatgc cgatgcttac 60
 cctcggtagt cacata 76

<210> 10193

<211> 473

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10193

agctntatat ttgtacccaa cttcccattt agagtgggtgt cttgtgagat ctattggtgc 60
tngtccttgg ccatttaatt gtcagaatat gaatatggct ttagtttcat ccttcttgta 120
ctcaaagct agaaagagag ttgtgaacta tttgctgaga tgtgaatcat tcgggcttct 180
aactttatat ttttatgcta tgatctctca gtggaagcaa tgctaaagct gaagaccaat 240
ctctggaagc atggtaaatt tgtcaatagg aatacacctt ttctctctcc tgtaagcata 300
ttgctgctag gcatttttaa ggttgataat gtacgataca aatgggcagg cttgagcgga 360
aactctctga gcaaaatatg ggcgctcctc ctagctatga agaagctgtc agtgaatctc 420
gcagccctcg tcacagtga aggtatgaac ttttatacta cagaaagcac tta 473

<210> 10194

<211> 461

<212> DNA

<213> Glycine max

<400> 10194

ctcattacat ggagactgaa aaagagagaa taagctttat tagtatttgg tttcttttca 60
gctcctacta ctttgatagc tacgcctgtg aactgaaaa ggattgagaa aacacgcttc 120
ttatttttat ttatttatat ctataagata tgagatagag agagctgcga ttactattac 180
tattgagaca tccaataactt gctcatctca aagccattcc tgccataggg atagtcttca 240
attgtgttct caatctcaga ctgcgtgttc atcacaaaag ggccatgctg aacaactggc 300
tcattaagtg gttggcctcc aatcagaaca aatctcaaag gctgtgaaga gttattccat 360
acgctgaggc catcaccttg agtcaaaaaca aggacatggg gtggcacagt tggggatgat 420
gttgagagacc cgaacacttc ttcaccttca attatataaa c 461

<210> 10195

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10195

agcttgtang attatgggtgt actcatcaca tgttgttact aagtggcggc cgggcatgg 60
tgcaacaaca gttttccaca tccacaatgc gcgcataaat ccaccatccc ctgttgccca 120

acttcaatca agatttgtat atcaagtatg actactggat cgacaagata ggcgttggtg 300
gtctcattac agacttcact agtagtcttc agcattatta tgaatggacc tctaaccata 360
aagatgatga ttccttttta aaagtcttga ttcttttctg catcattatt cttctatgct 420
gaagatggga ttgaattcat tccaacatca atc 453

<210> 10198
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10198

tcaagaagag tagaatgcan actcaattgt agtagatgca acctaccaa cccatttgga 60
caagattgat ggggttgaga tgatatggag agaaaaaac tccattcgtc acacaaccaa 120
ttcagagagt agcaaact aacactcagc tacatccctt tgttgatggg atcacagagg 180
cacacctaaa tggaggacgt tgactattga ttgttatgat agactccggg acccggatga 240
acatgtggat gcattcgtta cacaatgag tttgtttaca aatagtggca caatcatgtg 300
ttgagaattc ccaataatgt tgaaaggac aacacatcat taatatactc acctttcgag 360
aaactccatt gactcatttg tgactcttag tatgcatttt agagtgcagt acacaacaat 420
tagatcacat cacctgacag cagtggcact cactaacatt cgacaag 467

<210> 10199
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10199

agcttcgttg gtgccctgng ttntgttata ttgatgattt gtgatatcaa tcaacatggt 60
caattntgtg gttttattta tttatcttaa atatattttt tatagtnttt ttttcttttc 120
cttttttttg ctgaatgttc aaatttggtt cttttgaatc catgggtccat gatgctagct 180
agctacctcg agttttgaaa tgcagtttga tattgtgata ttattgcccc caaccgggaa 240
aagtagtggg tcactttatt gagctgagtt ttcaagtgtt tatggaagtg gtgttagggt 300
ttatatgttc tagcagcagt gggactggga atggagctgc taatcgcttc ttgatagtgt 360

gaataagtaa taagtagtgt tttatgtgtt catatcattt tgtatttcat ttccttgtag 420
atctgtcctt ccctctttta aagaacatcg actatgtgag gaatgc 466

<210> 10200
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10200

ggctcacaaa atttcaaggt cattggatat catttaatgg tagctgtagt tcaaacctac 60
attgttactt gcataagaag acaactagtt gtgtgcatgc tgaatgtagt gtatgactag 120
aggcaatcca tctgacttac aatcctttga acctaataata gataggacat ttcataagatt 180
agttagacat cattttatac cttttgagca tcctgagcat tctgttactg gagagtatgt 240
gcattctgtt attggagatt ttgaacatct tgattttgag cattataatt ntgaacattt 300
tgattgtgaa cattntgaga acatggcaca acctccacct cgtgagagga ctctaaggga 360
aatggttgca cctgatttca cctacgaaag cctatgcatn cagtaccctg atgaggatgt 420
cccatatgtt cttaanactg gactg 445

<210> 10201
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10201

agctntaact atattngata ttggattttac catcatattc aaatgcgagg ctatgagtgt 60
ggctattatg tcatgcaatg gatgtggacc acaatcatgt gggtttgaag aatgaatgaa 120
acatggtgta ctagtttact ttaacaagtt tcaattatta gacttttgtc gcaaccaacc 180
tcacgatggg acaacaaagg aaaatagaag acacatcttc taaaaaagaa aatgagtggg 240
agtcgccacc aatgtttatt tgaggaaaat gttagaaaga aaccaaaca agaggtctac 300
gaattttgaa aataaggggt cgaggagtgt ttacgcatgg ggaggatatt agcaccgat 360
gcgccctcac aagggatggg cagcctttta tcgagtgtgc acaacgtgac ttcaaaatta 420
tttattttcc caagagtgtt gaaatgggtt tattacatta tcttattggt 470

<210> 10202
 <211> 458
 <212> DNA
 <213> Glycine max

<400> 10202

cgcttctaca gaaatatctt tagtgctata taactcactg gtttaattga ctaccgcatt 60
 tgtgtaatcg attacataag tcttcgagaa gttatagata gatctaattgt agctccatgt 120
 agagcttgta gtccttggat cttcttcac aatggagacc tttgcttctt gaagatcaat 180
 ggcagcgaaa tggaggagga ggaggaaagg tgattggaga cgccacttca aggagaagat 240
 gagttaagaa caagctcacc accataggaa accatggata atagcttgaa ggtaggagat 300
 gatgactaga ggaagaggga gagagggaga atgaggtctg aactttgaag tctaatttct 360
 caaatgatca aagttgaaaa atgcacatac aaggccttta tttatagcca cacaaaattg 420
 gaggggaagat tgaatttcta ttcaaatttc acttgaat 458

<210> 10203
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 10203

ttaacaaggc cttcatataa taatattgca tgccaatgca ggcacaacag caggggtcaag 60
 cacagcagca gcaggcatcc gcagatgcgc cgccaccacc tctagggtag ctaccatccc 120
 tgggtgttcat cttcgctcac ctacggagga tgtaactaca gatgcacgca tatatgcaac 180
 atgtgaccga ccaacatata gctaatacat agggtcaggt gcagttgcat ggccatata 240
 taaggccaat gttcagacag gggcagaacc cgcaggacta ccggagatgg agatggagca 300
 caagatgatg atgacatggc cgatgtgatg gacttcattc tttgaggaga tagagtcgct 360
 tggatgggat cgcctataac tgtgaactag 390

<210> 10204
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 10204

gccaataga atgattcagg agtagacatc aagaagaatc aagattcaag agaagatgaa 60
 ttctagattc acgagaagaa atcgagaagc aacacgtcaa gacttaacaa gggaagtatt 120
 gaaaaggatt tttctaaaac caaacatagc acaattttgg tttaccaaag agttttctca 180
 catttttcta aggtaccaga gtatttactc tctgggtgac gaccaccagt ttcctgtaat 240
 tgattaccaa tgataaaatt tgatttcaaa aagatcttaa ctaagattgc aacgttccaa 300
 atgagtotta aatgggtgtat ctgattacaa tatattggta atcgattacg agtgtatctg 360
 aacattgaaa ttcacattca attgtgaaga gtcacatctt ttcataaat gcattgtgta 420
 atcgagtaca tgattat 437

<210> 10205
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10205

agcttgcattg atttacatct cccctttctc aagctaattc ttcttgatat catcaaagtc 60
 ttcattgattt acantttctcc cctttntgat gatgacaacc acctgtaggt taggagcaac 120
 aacaaagaat aaatatctat ttgcatatag tttactctcc cttgggttttg caatgattgc 180
 ttatatgaga cagttgaaga cttcatatct ttcatatgtg tcgcaacgtg cctttctcgg 240
 gcgagcgatg gcgaggctta cgggtgcgct ttccaaagga ggagagatgc gcggagtcgc 300
 caccaacgtt tatttgtgga aaacgtcggg aaaaccgaat gaaaccggtc aaaatgaaaa 360
 ttctaagttc gagagttgta tttacgcttg aggaaggat tagcacctct cagctctgtc 420
 tcacaggaca acagcttatt ttttagaatt 450

<210> 10206
 <211> 108
 <212> DNA
 <213> Glycine max
 <400> 10206

tcttttttttc catacatgaa caagagcctt cgatatatct cttggatcaa aaactcattc 60
 ctatgggtatt attaatatga cacccttaac atagcactac catattat 108

<210> 10207
 <211> 472
 <212> DNA
 <213> Glycine max

<400> 10207

tacccatcac atgtggtact aggtggcggg cgggcgatgg tgcacaacaa gctttccaca 60
 tccacaatgc ggcagaaaac ccaccatccc ctgttgccca cctccaactg agtcacgta 120
 ctcccacgta gcccatatcc tcgtttctct caacaccggg tcccatcaa tcctctcaag 180
 cttgcacaac atccaagcga aacaaccatt caacagcata agctatcaca accaagaaga 240
 acagagcaaa ggcagataac tctgctcaac acatcaacca aaatcacagc ttttctcacg 300
 taaagaccac agtaacaatt ccttcgatcc aattcggtta cggggggatc gactccaaaa 360
 ttttactgga agtgtatagt gcataagcct acattctgac cgttgggatc tactagcata 420
 catccagaac tcattctaca ttactctgtc cacaaccagc agatacatgg at 472

<210> 10208
 <211> 476
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10208

ngctctanat tacattgatg ttggtattta ttgtaggagg ttgtatgcca tttttgtttt 60
 aagggtagca tttcttggtg aaactaactt tccaaatgtt tgccctcgca ggaaatggcc 120
 ccgaggaagc ttgtctcaaa gaggtccagg aaggacaagg cggccgaagg aactagttcc 180
 gctcctgagt atgacagtca ccgctttagg agcgtgttac accagcagcg cttcgaggcc 240
 atcaaggggt ggtcgtttct ccgggagcga cgcgtccagc tcagggacga cgagtatact 300
 gatttcctgg aggaaatagg gcgcggcggt tggacatcac tggttactcc catggccaag 360
 ttcgatccag aaatagtcct tgagttttat gccaatgctt ggccaacaga ggagggcggt 420
 cgtgacatga gatcctgngt aagggttttag tggatcccgt ttgatgccga cactat 476

<210> 10209
 <211> 485
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10209

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agctntntag cttataatcc aacaccataa ttggtatgca acanaaagg aactgggtca 60
aaattttctag tagaaaagaa tttcccaagg tcttttcttag taattgggta acaactcaca 120
ttgatattcc cagttaacaa tttttttatt ttttttaciaa cccattgat taatacaatt 180
ctctttgcag aagaataatt tcttgattgg ctaatgtagg agtctcatca catattggta 240
ttgttgacaa aaagaaaatt aatcttatcc ccaacaaaat tcaaagtgtg ctaacgaatg 300
tctatcttta ttaacaattc atttgtcact agtaciaaagt cactgcgaat taataatctt 360
cagccttata gggaactaag cttataagac accaattaca agtattaaag ctactgatct 420
tagttaaatt aagtgaagt ctgtgccaaa atgatcaaca gatggcacc caaaatccat 480
attca 485
```

<210> 10210
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10210

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ctaagcttcc atccgctaac tacaaaagat gtaaactcaa aactaatatt tgtttgtatt 60
aatcaaaata tttgaagaat ctgattcgct ttataactca aacataatct attcctaccc 120
aatttcatct ttagaagaat cacaggtgaa attcatgtgt aagagtgatt aatttttgta 180
taagcatcca atttttaaga taaaatttta atattctcac caatgttgta aaaattgacc 240
cgatcactaa cctaattaaa gtactggggg cagagtatca aagtcagatn taataatatg 300
gttctcaatt ttcataattc aagagacaaa ataacgaatg cctactagaa atcaaataat 360
ataggaaatt aaacaaaata ttgtgacaaa ttattttttt 400
```

<210> 10211
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10211

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agcttctcaa gacagcttac atcatgtgat atcatagcac cagatcttca agtatgtgct    60
ccttaaacct ctatttattt ttagctttac ctttccatcc attggtgttt cttcattttt   120
ctccgtgtat ctctcacat gtcttgggct gaatgttggt aacatgattt ttttgaattt   180
ccaccgattg aacttgctat agaagctaga tctgattttc tactggacaa atttcctggt   240
cttgttcttg aaccatgaat tgtgttgagt ttaggttcct ctgagttttg tattgctatc   300
ttttgtggct gaaacctgaa ccatataatt cttacaaaaa cattcaagta gaagaaaatc   360
tccaaaatct agagtggcat gttcacctat catagtntg tcatagaggt catgtctagt   420
cttgaaactt gtcacataag attccttatg tcgtgctgaa tttatctttt ctttttcttt   480
g                                                                           481

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<210>      10212
<211>      485
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      10212

```

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actcaagctt atccttatgg ctggcctcgc gacttcaact cccgtgccgc tccggaagat    60
gtgagccaag cccctacctt tgagggggcaa cttcctcctt atgccgatta ccccttgcaa   120
gaagacgacg aaggagatac ccatctaggc cttttgcttc ccttcaagga tccatcccc   180
catgaattac ctcaaccaa catagtccgc catgtcccat cttcaccgcg acccgtaaaa   240
gaatcttttc cttcacaga agataaggga aagattgatg cgcttgaaga gaggctaaga   300
gcagtagagg gcctcgga taccctgttc tcagatttag tggacctatg tctcgtgcct   360
aacatcgtca tccctcccaa gttcaaagta ccggatttcg ataagtacaa agggacgaca   420
tgtccgaaag ggcattctcg gatgtattgc cgaaagatgg nggcgtattc tgcggacgaa   480
aagct                                                                           485

```

```

<210>      10213
<211>      449
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      10213

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agctntccta caagtcctaa ttgtacattt anactatgat caactcactn tagactccaa 60
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 atcactacca ttttcacatt taaccctagg ttaactctcc cgatcatctc taccagtttt 180
 ctaccaacaa tgtcagcaca caaacatcac aaagcatcat catataaacc ctaaaacaga 240
 atgggtagct ttactcacat caaacatgtc aagtttagca tgctttcaac aaattctttc 300
 acaaataact accataaggc ataaacctag tagaactacc catcatactc cccagaaacc 360
 caatcccac gaatttcattg tgaaaacaag tccacccata cctgaaagta ggcaatatat 420
 atatcanaac actcataatg aaaccctga 449

<210> 10214
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10214

cgcttgagcc acaatcctga cacaccatan accttgaccc taggtgagaa tgtcaattct 60
 taccctcgga agcaaaaaaa aaggggagag ggaaaatttc caatcaaaga cgaagcaaaa 120
 cacgagagaa ggaaaatttc caatcacagg aaaaaagag aggaaaggga attcccaatc 180
 aaagagtggg agaaagcaaa aagaaaagaa agaaaattct caatcaaaga atgggagaaa 240
 gaaaaagaga agaagaaagg gaagacagtt cccgatcaaa aaaaaaata atatgcagaa 300
 aggtcttttg accggacaat atctgaacaa tacagaattg tcaccaaagc aataaaaaga 360
 aggaaaggga accatgacct aaaatgggtc tccccctata gttgccaggc aaaatc 416

<210> 10215
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10215

agctatcttg agaaaacttc cttgagaagc ttctttgaga naacttcctt gagaagctag 60
 agcttagcta cacacacccc totcataact aagctcacct ccttgagaag cttcattaag 120
 aagattccta aagaagctag agcttagcta cacatacctc tctaatagct aagctcacct 180

ccttgagatg agaagctaga gcttagctac acacccccta taatagctaa gctcaccccc 240
atgacaagaa acatgataat aaaaaaaaaa gtccttatta caaagacaac tcanaatgcc 300
ccgaaataca aggctaaaac cctatactac tagaatggcc aaaatacaag gccttgacga 360
aggataaacc tattctaata ttacaaaga taagcgggct catacttagc ccatgggctc 420
gaaatctacc ctaaggctca tgaagagtta tgtccatttg aatttctcga 470

<210> 10216
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10216

ntctatctct tctntaaata aagatttggt ggtagagacc ccaactagtg gttctgtggt 60
aacttctaata gtgtgtttgg attgtcctgt ggaagtttct ggtaaaataa ttatgattga 120
tctgatttgt ttgcctttga gccaaattga tgttattcta ggaatggact ggttatcttc 180
caaccatgtc ttgttaaact attttgataa aactatgggtg tttgatgggtt ttggagtga 240
taaggatatg atgttcatct ctaccaacca agttgtgtga tgaggacatg accaagagca 300
agggcaagga tccacttgaa ggacttgag gacctatgac aagggtaga gcaaggaaat 360
ccaagaaagc tcttcaacaa gtgtgtcca tactatttga atacaagccc aagtttcaag 420
gagaaaagtc caacgttgtg agttgatgag aatcctgaaa ct 462

<210> 10217
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10217

agcatttctca gctttgtctt cttcactctn tcatgaactc atcatcatct tcatccaatg 60
gatccttctc cacttcatca tctgcataat ctgagtcaga ctcttcacca ggaattattc 120
tgccaataga cttatttgaa actttccttg actgtgcacc acgattntgc tcattccctt 180
tattccttggg ttttacgtcg atggctttac cagaaagtga cgatgtcaca gcattgttta 240
gcttttcaac ttcaggtaga accatagaat tcatgaaagc atccaatgga tctatttctt 300

catcttcagg agcaccagca ggtccatcct gtaaatacaga tgcaattgtc ccattaacag 360
tatctaccac catcacatcc ttaggctcct tatcagcagg tttgtcatct tcatcaacat 420
ccatacctgt ctgcttccca gtacctgggc cttcttcac atcagaatcc ccttc 475

<210> 10218
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10218

tanacctgca gcattgcatt agtaaatagt tggcacatgt aataatgtaa gatatgatac 60
acttctggca gtagtattag aactacgaat taatattgct gaaaataatc atgttggtga 120
agatactcct cagcgtcact ttgttggatg gagtcgtaca aaaataaatt tgattaataa 180
aattcgaaca tctaattaat aaataaataa acttcogatta aaaaaagggc ttttntgtcc 240
tttaaatata tatttgactt aactactcat tttaccatca tcatccaact atatattatc 300
atttcacaaa tactatcact caaagttttt tttttatgaa ttntacctgt ctaattaatt 360
nttaaattta acaattgtat cacctaagtt ctttaagttt ttttatgttt taatttcttt 420
tatcatcccg tgggtaataa aatgataatt cttttctagt gacacgtc 468

<210> 10219
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10219

agcttcacct tctggctcct ctcatagatg tggatatgaga caacatgctc tatntcatc 60
tcccactcca agtaggcctt cggatcattc tttcctttta atggaggaat gtagagtta 120
ataccatcaa ttctgttttg tctaggaaca ccatcatacc ctctcctcct cctttcttct 180
tcattatgat ctctattctg catttgatcc atcctctcat ggaacgcac atcttggtgt 240
tcattaacct ctccatatga tgcataaag cttgcatttg gaattgcgaa agccccactc 300
catcattagg attagtacct gacatctcaa acaaacaat caaacgtaac aagacaatta 360
tagttgctgt ttgaatacct caccactca agtgtatcac acaatcatgg cttttttata 420

atgaaacact c

431

<210> 10220
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10220

tcaccttctg gtcctctctca tagttgctgc atgagataac atggtctatt ttcattctccc 60
actccaagta agcctccgga tcattctttc ctttaaattgg aggaatggtg agtttaatac 120
catcaattcg gctttgtcta agaacacccat cattccctct tctcctcctt tcttcttcat 180
tatgatctct attctccatt tgatccaacc tctcatggag ccgcatcatc tcgctgctta 240
ttaacctctc caaatgttgc atcaacgctt gcatttggaa ttgcgaaagc cccactccat 300
cattaggatt agcacctgac atctanacaa acaactcaaa cgtaacaaga caattatagt 360
tgctgtttga atacctcacc cactcaagtg tatcacacaa ttatggcttt tctctaata 420
aacactcttg cctcttacca ctctaattc 449

<210> 10221
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10221

agctntgagc anattcaaac gacaatataa ttttactcgg atgtctgatt gagtcccgta 60
atatatcaag acgctcgaaa ttgaataccg aagctctgag caaattcaaa cgacaataac 120
tttttgctcg gatgtctgat tgagtcctgt aatatatcga gacgctcgaa attgaatacc 180
gaagctctga gcaaattcaa acgacaatca ctttttacta ggatggctga ttgagttcac 240
taatatatcg aaacgctcga aattgaatgt tgacgctctg agcaaattca aacgacgata 300
actttttact cggatgtctg attgagtcca tgaatatatt gagacgctcg aaattgaata 360
ccgaatctct gagcaaattc aaacgacaat aactttttac tcggatgtcc gattgggcct 420
cgtaatatat cgcgacgctc caaattgaa 449

<210> 10222

<211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10222

tcaacattca atatcgagcg tttcgatata ttacgggact gaatcagaca tccgagtaaa 60
 aagttattgt cgttttaatt tgcttagagc ttcggtattg catttcgagc gtctcgatat 120
 attacgggat tcaatcagac atcagagtaa atagttatta tcgttttaac ttgcttagag 180
 cttcgataat caatttcgag cgtctcgata tattacggga ctcantcaga caaccgagta 240
 aaaagttatt gtcgtttgaa tatgctcaaa gcttcggtat tcaatttcga gcgtctcgac 300
 atattacggg actcaatttg acatccgagt aaaacggtat tgtcgtttga gttttctcag 360
 agcttcggta tgcaatttcg agcgtctcga tatatttcgg gactcaatca gacat 415

<210> 10223
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 10223

agcttcatt gttcaatttc gagcgtctcg atatattatg cgctgaatc ggtccttcga 60
 gttaagacgt atgaccattt gaatttgctg agagctctcg ttgttcaatt tcgagcgtct 120
 cgatatatta tgcgcctgaa tcggacctcc gagtgaatag atatgaccat ttgaatttgt 180
 cgagagcttc cgttcgttaa ttttgagcgt ctggatatat catgcgccag aatccgactc 240
 cgaggggaata gctatgatca attgaattgt caagagcttc attgggtcatg tcgagcgtct 300
 gatatattaa gccctgaatc tgcctccgag gaatagtacc accatttgaa tttctcagag 360
 cttccgttgt taatctcgag atcttgatat ttatg 395

<210> 10224
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10224

ctcgagaaat tcannatgtc ataactnttc actcggaggt ccgattcagg cgcataatat 60

atcgacaccc ccgaaattga acaatggaag ctctcgagaa attcaaattg tcataacttt 120
 tcactcagag gacccattca ggcgcataat atatcaagac gctcgaaatt gaacaacgga 180
 agctctcgag aaattcaaat ggtcattact ttctactcgg aggtccgatt caagcgcac 240
 acatatagag acgctcggaa ttgaacaacg gaagctctcg agaaattcaa atggtcacatag 300
 cttttcactc ggaggtccga ttcacgcgca taatatatcg agacgctcga aattgagcaa 360
 cggaagctgt cgagaaattc aaatggtcac aactnttcac tcggagatcc gattcaggcg 420
 cataatatat ncagacgctc gaaattgaca acgg 454

<210> 10225
 <211> 587
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10225

cttactacta ccttcggctc gatcgtgatg gtaacaattt ctatangagt aaactacagt 60
 ggcctctga acttgatacc ctctnanaac cncgtatate ttcctcatca ctctgcac 120
 gcaactcagg atactcttac tcttacttca tctgcgggtt ggataggaac caggtctcac 180
 tggatgccct caaattacat ctcatgatac aaatgccaat atgatgagtt ggtaacttta 240
 tgccacgact ggcatgcatg taccgacgcg gactctccag tgtcacatct taagtgccac 300
 gcgatgctat ggctcagcat ttttttccca tatatttgac caacctaattg tctccagaat 360
 atgtcctttt atcaattcgt gcgttcatcc gaggccatct ctggcggttcg gtaagatttc 420
 acaagcatct ctctctacgt cgggacagcg tttccacaac attgctatga acagcgaatt 480
 attcacataa taagcactac accatttaat tctttaacac gtcattgattg agcaaacagc 540
 tcattgtcga cctcaccacc cgtcttagca gcgtcttgtc cgatacg 587

<210> 10226
 <211> 321
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10226

tatgcccaag tatacccgga aaaagacgct agaggaaggg tgatcgactc tttacaccaa 60

gaggcaacca tgtggatgga tcgcgttgct cttaccttga acgggagtca agaacccttcc 120
cgattgttag ccaaggccaa ggcgatggca gacacctact ccgccccga agagattcat 180
gggcttctct gctattgtca gcatatgata gacttaatgg cccacataat tagacatcgt 240
taggaaactt gtatggtctc taagaccttg actagatacg acttnccttc tgaaataaaa 300
tgagttggtc gcatgttcta c 321

<210> 10227
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10227

agcttccnca acatcaaagt aaatcaacat tcanacagca caaattacca cagccaagaa 60
aacagggcaa aggcagaaaa ctctgcccaa aacaccaacc aaaatcacag cttttctcac 120
ttaaagaccc cagtaacaat tccttcgatc caattcgta accggtggat cgactccaaa 180
attttactgg aagtctatag tacataagcc tacattttga ccggtgtgat ctactagcaa 240
acatccagaa ctcatctctgc actactcttt ccacagccaa ccacacacaa gcatttttct 300
gcacaaagcc aaaatcctgc tgcacctatt ttgacagcaa aattctgcat aagtgcagat 360
ttcgaaaatc acccttntct tcatccaatc ttgccaaat caaatcctac aagtcccaaa 420
tcatgtatca atcatgtcta aaccaaggtc aagcttcana acanagcaac acagaatc 478

<210> 10228
<211> 286
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10228

tnctcgtggc ttctttgaga agctntctca agaggettct ttgagaagct agatccttat 60
ctatccacac ccctctatta actaaattaa cttccttaaa aataattacg gatgaaaata 120
acgcaacaaa tattcaaaca tcaaacataa ttactaatag tatatagata tatatatatt 180
aagggtgtac aactctccca ccctttttaga aatttcgtcc tcgaaattta ccttactcaa 240
acaaggatgg gtgagcttct cacatctgac tttctatatt ccatgt 286

<210> 10229
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10229

cttctatgga ggctggatct ttgagcttca atgggggcct ttaatgggtga ttctccacca 60
 tggagatgca gcggaagaca aaggaaagga ggtgagagga ggcgccatcc attaaggaat 120
 aagccatgga agaaggagct tcaccaccaa gatgagcctt ggataagaag cttggagagg 180
 atgcttcaat ggaggaaaag atagaggagg agaaagaggg agggggagca cgatattgaa 240
 ggaagataat gggagagaat ttgaactttg agttgtgtct cacaagactc tcattcatca 300
 nagttacaac aagtgttaca catgcttcta tttatagact aggtagcttc cttgagaagc 360
 tttcttgaga aaacttcctt gagaagcttc tttgagaaaa ctttcttgag aagctagagc 420
 ttagctacac acacccctct cataactaag ctcacc 456

<210> 10230
 <211> 243
 <212> DNA
 <213> Glycine max

<400> 10230

tatactgaag attgtcgtca aaataacgta cacatgctga tttcagagcc tgatgaagcc 60
 tgaaatgtca gaaatagggt acacacagac acaactgaat ggctagagta caatactggg 120
 ctcagaattc gagagagact ctggagcagc tatgcagaga agcctagggt tctacattct 180
 ttgagagatt agtgagtgtt acaacgattg tgatgtgcct cgaagaggag gagggatccc 240
 cct 243

<210> 10231
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10231

agcttgtcac ttttttgagt cactcaggac agccttaagt ttacttcaat tgggtgtcttt 60

atagaacttg tcttttctta atacacttaa gcaaactcat aaataggcat taattgaaaa 120
 ggtttatgat ttgtgttttag aaggtttgta ataattaaag catcaagggt tttggactca 180
 acaaatttcc cataaaataa gatgtaaaaa caattatcaa agagacattg gagaacattc 240
 accatacaag gatagagagc aaatatgaac taatcaaact gaatggtaca catactgaaa 300
 taataaggga ctaaacaata aatatctaaa cttcatataa cgggttaaaa ttacctgta 360
 cacacaagtc aatttggtga ttcacgtgc actaccatt tcaaaacatt tctaaaactt 420
 atgatggngt gaaggggtta cattgttgaa ttcaagaacc cgttacatgc aatgctcttg 480
 gtctgat 487

<210> 10232
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10232

cttcaagttg tggatcatgta aactaaggc ttangattca ttnttcctat ntaaaatcaa 60
 cctagtgttt ccaaagatg ctcttttatt aatttatgct cacatccgag ccatttagg 120
 catttgaaaa aaatttcacg gcattcacc ttcaggtgta cacacattnt tttttcaaaa 180
 acctttgtgt tctgatcagt gaaacctttt ttcaaagaaa aactggcaga cacttctttc 240
 canaagcatc ttgactnttc agtcaaaatt taactatttt ttgttttgc gcttgtttac 300
 ttttaattcct atgattatga gaaaactagg cgtattcaac tatgacttaa gaaacatagg 360
 taaataacta acaagcagaa atttaaaagg tattaggctg cctnctagta gcgcttcttt 420
 aatgtcttga gccagacgta ngacgacaac ctgtcgatca cgggccaat a 471

<210> 10233
 <211> 469
 <212> DNA
 <213> Glycine max

<400> 10233

agcttctaag ttagtgtacc agatgaatgc tgcctagcc aaacaatctt gaaagaaacg 60
 catcaataac ttctcgttcc tggaatatgc acccatcttt cgacaataca tttttagggtg 120
 attcttagga caagtcgtcc ctttgtacct atcgaagtta ggtaccttga acttcggagg 180

gatgacgacg tccggcacca agcacaggtc ggtcatgtct gcgaatggat attccccaaa 240
 tccttcaaca gccctcaatc tctcatcgat gagatcgagt tccccctttc tttccactgc 300
 cgggggtggc cctcccacgg acagaaacat tggctgtggt ggggtggtttc gaggctctac 360
 cgtgatgttg ggttgaggta atgcgttggg tgatggcccc tcggcgggaa atgtggagta 420
 ggagtcaatg tctccctgag cgtgctctta aggattctcg aggactgtg 469

<210> 10234
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10234

tgaacgtgta tagctcacca tcctttcata gtagaatact ggtcatgtgt ctactatcat 60
 tgtcctcatt nttttgtcgt cattgagggg gccacttggg ctgccatgtc tctacacctt 120
 tggctcgagc ccctttttgc tcatgttctg tagttgcatg ctatccggaa ccatatcaaa 180
 attgtactga tattgcctaa cgaaggcaac cattatgtcc ttcctagaat ggactccgga 240
 aggettcaag ttatcgtaac acgtaacagc taccocagta cgactgtctt ggaagaaatg 300
 tatcagcaga tactcatctc ttgcttatgc ccccatcttg cgacaatata tctatagata 360
 gctcttgagg caagtagtcc ccttgtaact gtcaaagtcc ggcacctcga acttggggaat 420
 gaccatgttt ggggtactacg aacaaatctt gtactttaat 460

<210> 10235
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10235

agcttataaa ccaactagct tattagttaa ttttatcaaa cataatctta gaatttttaa 60
 ttatcactact taggacaata atttaggttt ttttttttac ttttttagct accctaatta 120
 tataattaat taagatttat tatttccttt ttaatttttg acatgtttct tttttaatct 180
 atgttctact ttgtatataa tacgatgtac aatagatatg tacatacaaa tagaaaataa 240
 tcactatatta ttccgtccat gtttcttgca ttgggtcact attttcttcc tactaccctc 300

ttcttaágaa tttttaacga aatcgtaaaa ttatttatca atgtgggtgt tttagaaaat 360
tatttacctt taagagtgat ttttgtcaac taggatttgg gaagtgccac tntaagtagt 420
gacatctagt gttttcattt gtcctacaat aggaggtgtc actt 464

<210> 10236
<211> 377
<212> DNA
<213> Glycine max

<400> 10236

cgagatgagg aagtgtagaa gggtgaaact tcttgccttt attcgttgac cacagagtgg 60
tacctggaga tatgtcacag gggtcaggag accttgtgga cgtcagggtg ggtgctattg 120
cccaaaacca agcttgacca atcccgaccc aaccggggca tagtcgggtca gtgagaacct 180
gtgatgtacc taaacaggcg agctcctggc agtcaacaga taaaaggaac aaagaccaca 240
aagcaaggag gcttgtgggtg gctggccagc tgtgaatttt gtgtgatata ttgtttgtgg 300
tctctggtaa tgcattacca aggggtgggtc atcgattaca agacttaaaa atgaagacag 360
gaggctcaga tgatctc 377

<210> 10237
<211> 459
<212> DNA
<213> Glycine max

<400> 10237

agctttgtgg tatagatata ttctttggct acagtatgca ctataagggtg cattcttttg 60
tcttcaatgt tatatattta ctaaaacatc aagtccattt acttcgaaag gatttaataa 120
gtgataaacg gtgaatagcg gaattgacta tgcattatat ctcatatggg aaagacttct 180
aaatgacctc ataatgatcc tcctagatga gtgagaattt gaagagcgat ctcgccatat 240
cgatagcgtg taacctaaac aaagtccaca ataaagtttg aatgatcgaa tgctgcttaa 300
agcctttata gatgttggtt gacgatcggc atttcatgca tgcgctttta gaaaacatga 360
tgatagttgg ggatctataa ctgtggtaac tttcttgaga tgatactgct ctatgcttct 420
tttaattagg acaatgatga ttttgtctat gaaaatgcc 459

<210> 10238
 <211> 252
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10238

gtaatataat acttctttaa acanaactta gatgttattc tctttgtgta gctatggcgc 60
 tgtattacaa ttaaaattat agttttgttc atctcgatca tttatgctaa cctcttaata 120
 caaacattta tcttattaat cacagaatag caacacctaa gaaactataa ctaggctttt 180
 ctaatacttc tggcgatata tacatctatt tatatgtgta tgaaattaga tagatagatg 240
 acataaatta tg 252

<210> 10239
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10239

agcttgtacc tataaagatc tcatctcatt aattgtaaga tacaatagta tcaagcgtgc 60
 ctgtaggtat atataatatg tagattagga tgtctttgta gaaaatgccc aaaataaaac 120
 aaactatgaa aaaaattcag ctgcaaattc ttaactggac acaaaacaaa cttgaagggtg 180
 atcatatgcc aaaaatatat gctagtaagc tacttagcaa tgatattcca gggataaaaa 240
 tgaatgtacc tccatttaag cactacttcc ttctggtaat gtaatcaatc ttgtttttga 300
 atcacacacc attttagttt cacagctgag gcaaaatata actttggatg gttaaactaa 360
 tgaggaatca taattaataa atcatattag tttaatgata tgaanatgaa tagtatggag 420
 agacaggggtg cggatagtgc aaggctaact agtntatatac ttacttttca catttgactt 480

<210> 10240
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10240

ntgacaagga ttcacatgat ggattctctt caaaccaaaa atgaattaat gtataaaaact 60

canaacatta ttaattaatt aacaattaat gttggatatt tctaaccctg tatttacggc 120
aaagaacaat ggccattcct ttgtctagtt gaaaattttc cgcgagtgc tttctaccta 180
acaaactaat tcgtacatgg agaggtcaat atcatagtac tataattaag ttggggagaa 240
atatttttct cttgtcaatt atcattacta caactctngt aatatagtta acaacacatc 300
acataagaca aaagaattat agtaaactca aatagatatt ggtntaatt tctagctaga 360
gtgccaaaag aatcggaagc agaatagtat ataaatctgt ggaagtttct ctattagcta 420
ttttttttac atattattnt cattgtttta ttattatcga cagaaat 467

<210> 10241
<211> 423
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10241

agctagtaga atggctagac atgatacatg tcatggcttg gtttggttca agggtaaaag 60
ggatgccccca cattatttcc atgacacaaa tgcaaaaatg atgatttgga aactttatgc 120
aaaactggtc atgcatgcat ctatgcggac actcaaagt caaattttta tggatcatgtg 180
atgctagggc tcaggattca tttcctctat tntaatcaac ccaatgtttc caaaatatgt 240
tcttttatca atntgtgcat tcatccgagt ccatttcggg cgtccgggga aattncacag 300
cattcaccct tcagggtgtag acacattttc caaaaattgg ttatgatcac atgaattttt 360
tcaaagaaaa gttggaaatc gtctcttttc aaaagcatgt cattgttttag ctagacaact 420
tat 423

<210> 10242
<211> 462
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10242

tcgtaagacg cctgaacata acatcactaa agtcctttt cccttctttt attggagggc 60
acaaccgggt aaaaagagcc ttatctgact gtgttgactc atggaaaatt cgggtatcaa 120
ttgcagcagc tagaagattg tttgctgcag ttattgcatg aatatctcct gttagatgaa 180

gattgaattc atccatggga ataacttggc tatagccacc accagctgca cctnctttaa 240
 ttccaaaagt aggtccttgc gatggttgac gaaggcaggt gactacctaa caaaaagaga 300
 taagatggga ttatgtatcc agcataactt tgacatacga ttaaagattg tagtttttca 360
 ataatatctt gaacccaaat aaccagtga ggcctaaatg atgaatgagc aattcctaca 420
 tcctgtcacc tcatcatcac ataagcaaaa aaaanaaaca ca 462

<210> 10243
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10243

agcttatggg ggatgataat atgtgaatga atgacattat aaaaaccttn gacactcttg 60
 aatgataatg tgtagactgt tttactctaa tcttaatggg ttttagtaca ttatgggcac 120
 atgaatttgc tttttttttt ttttttttta ctttcttgct tttatggggg atgtaagggc 180
 aacttacctc tgatgctatg attactgctg cgtcttggtt tgaattcgcc ttaatcttta 240
 cgcgatgtaa cagagctgac gattgttcta tcaatgttgc taataaataa taacagtttg 300
 tagggaggat taaaactgct attttcgtta tgattcctac tattttacgc ttttggttta 360
 tttcggattg ggctttctga tcaagtctaa tttatagata cattttatgc taatcttcag 420
 atctggagat gtcgctaaac tctccaacta ccagtcaa at gatgctcacc 470

<210> 10244
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10244

ntagacaaag gacaacagtg gaaatcaaaa tcaacacttt attgtcgctt ctctgtaatt 60
 ctaccattgg aggtaaccct aacgactgcg tgtagatttt aatcataaaa tcattggggc 120
 ctaccaatta acattgattt gggaaagtgt cctatgggtg gaaagaaact ttagggccat 180
 ctaatcaaat catagaagaa aaaagataat acaattaatg caatgaagaa cttgctctta 240
 ttaatcaatt caatatatta tagttaaaact cttggttaga gacaagttcc tctcataatg 300

gacgaagatg ggtatgattt ctgctctctg tcaaaagcta tacttcaata atgaatacag 360
 cttcaaccaa aaaaatccaa aagaagaacc acacaattct atcttggtat ccagttaact 420
 ccacagaaca catacaacct agtcaagttc tgatgttga 459

<210> 10245
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10245

agctngtgcg aatcanatca ctctgcatt ntatctctag catgcattct ctttttcttt 60
 acccactcct cacgtttagt tntttaggga aaaacaccat aactaaacgc gccacaaggc 120
 atccctatcg caccagatcc aaatctagaa cgatgggtga tcaagaggag acacaggaac 180
 agatgaaagc cgacatgtcg gctctgaaag aacagatggc ttccatgatg gaggccatgt 240
 taggaatgag gcagctcatg gagaaaaacg tggccaccgc tgccgctgtc agttcggctg 300
 ccgaagcaga cccaactctc ttggcaaccg cgcgccatcc tccctcaaac atagtaggat 360
 ggggaaggaa cacgctgggg cagcagggca accctcatct gggatacaac cgagcggctt 420
 acccttatgg attgccgccc aactactcac caccgctcct gcaagacgat gc 472

<210> 10246
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10246

tcttatccaa ggctcatctt ggtggtgaag ctcttcttc catggcttat tccctagtgg 60
 atggcgctc ctctcacctc ttctccttg tcttcgctg catctocatg gtggaaaatc 120
 accattaaag gacctcattg aagctcaaag atccaacctc catagaagcc ccacaagcaa 180
 gcttccatca agaggatatca gagcacaaga gcttcaagta ggtgcttcc taaacctcca 240
 ttaatttttg cntaccttc tcttcattg ttgtttcttc attnttctcc atgtatctcc 300
 tcacatgtct tgtgctaaat gttgttaaca tgattcttta gagtttccac caattaaact 360
 tgctatagaa gctagaattg attntctatg gttcaaant cttgttcttg ttcttgaacc 420

atgaa

425

<210> 10247
<211> 446
<212> DNA
<213> Glycine max

<400> 10247

agcttgcagc atatgctaac gacaatatca tttcactcgg aagtccgatt gagtcccgt 60
atatatcgag aactcaaaa tttagaaccg aagctcgtag aaaattcgaa cgacaataac 120
atttcactcg gaagtccgat tgagtcccg taaatatcga gacgctcgaa atttaaaacc 180
gaagctcgta gcaaattcga acgacaataa cttttcactc ggaagccgat tgagtcccg 240
aatatatcga gacgctcgat atttaaaacc aaagctcgca gcaaattgcta acgacaataa 300
catttcactc ggaagtccgg ttgagtcccg taatatatcg agacgctcga aatttaaaac 360
cgaagctctc tgcaaattat aacgacaata acatttcact cggaagtcga gtgagtcccg 420
taaatatcag acgctcgaaa ttaaac 446

<210> 10248
<211> 232
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10248

tgggtntaa atttcgagcg tctcgatata ttacgggact caatctgact ttccagtga 60
aagttattgt cgtagaatt tgctgcgagc ttccgttcta aatnttgagc gtctcgatat 120
attacgggac tcaatcggac atccgagtaa aacgctattg tcgttcgaat ttgcaacgag 180
cctctgtttt caattttgag catctccata tgttattgga ctcaatcaga ct 232

<210> 10249
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10249

tgctttaaga ctgtatattg atatctttag tatgcacacc atgtgttcat ttctttcaac 60

tgagaacccc attgggtggt ccatacaaac attctcctct aaatctccat tcagaaaagc 120
 ggatttcaca tctatttgat gtagctccaa gtcataatgg gctactattg tcatgataat 180
 cctgaaagaa tcctttcgtg agaccagtaa aatgtctctc tataatcaat gtcacttttc 240
 tgagtaaatt ccttagcaac aagtctagcc ttgtaacgtt caaagttgcc atgagagtca 300
 cgtntagtct tgaagacca cttacaacca actctcttac aacccttgt taattctaca 360
 aggtcccaaa caccattatg ttccctgaaa tctatctctt ctttcatggc atttaaccac 420
 ttctcagaat tatcacaact tatagc 446

<210> 10250
 <211> 374
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10250

attaaattca tatctagata agataagata agatctagat taaataatat ctagatgaga 60
 aattcaaattc tagataagat aagataagat ctagattaaa taatatctag atgagaaatt 120
 caaatctaga taagataaga tctagattaa ataatatcta gatgagatca aatctaaata 180
 atatctagat aagataaaga taagataaga tctacatttg tagaataaaa tagtctgccc 240
 tcttcaagtc caagctcaat tctggattca aaccctaatgc ttcattaatt cctgaaatta 300
 gattaaaaac atcaaattag ctgaatgggc ccaaataata naactgccta agtaaattga 360
 caattaagac caat 374

<210> 10251
 <211> 427
 <212> DNA
 <213> Glycine max
 <400> 10251

agctttgagc cggcttgagg gcgaaagagg ttattcaatg ttgaagtaga ttgtctcgcg 60
 tcgaatgagt ctgtttggtg tatggggtag taatcttgac aagtagaggg tgacgagttt 120
 gtcaagcccc ccaagtgtgg actagtgttg tccgggtgtc gccgtagtag ccttgacgaa 180
 tgtgagagtt gcagatcgat gaggcttgtc aagcccccaa gcctgaacat gtgttgctta 240
 ggctaccttt gtcaagatgt ccgtgatgaa catatctttg gtgtgccagg taaggtaagt 300

cattaaattt gacaactcta ccctctttct gactgttgga gagtgcattg aagacaacat 360
gtaacggtta tttgttgag caggcgctg tagcacacgt gcaatactct tgtatgcgtg 420
tcacacg 427

<210> 10252
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10252

agctatcgag aaattcntaa tggtcataac tttaacattg aggtccgatt caggcgcata 60
atatatcgag acgctcgaac ataaacaacg aaagctctcg agaaattcaa atggtcataa 120
cttttcactc ggatgtccga ttcacgcgca taatatatcg ggacgctcga aattgaccaa 180
cataagctct cgagatattc aaatgggtcat aacttttcac atggatgaca gattccagtc 240
catgaatgat cgagacgctc gaaattgaac aacga 275

<210> 10253
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10253

tctctatatg tgatgctgct gaatcgggtca tccgggataa aaggtatgga ccatttaatn 60
tctcaagagc tttcggtgat ccatttcgaa cgtcttgata tatcacgcac ctgaatctga 120
cctacgagcg aagagatatg accatcttaa tttctctaga gctttccgtg ttaatgacga 180
gcgtatcgat ctcttatgca cctgacgcgg acctccgacg gagaagtgat gaccatctta 240
atgtgtggag agcttgcgta gatgaatctc gagcgtctgt atatattatg cgcctgactc 300
tcgcctccga gtttgaagtt ctgaatattt gaattgcgcg agagctggcg tttgtcaatc 360
ctgagcgtct cgatattcat gcgcatgac cga 393

<210> 10254
<211> 437
<212> DNA
<213> Glycine max

<400> 10254

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agcttcctct gtcttccgct gtaaaacctg atgcatagaa atagagagaa aagtgggtcac   60
gctgtgagaa aaacaatagg cagatagcta caaccaaag aaataaaagg acatggaacg   120
cattgaggaa aatacaatga accaaccatt ttaagcctat catttgaagc cagcaaactt   180
tgggtcttga cttcattcct ccttccctct ttcttaagct aatgttacat gaacaaatat   240
tccataagat aaaaatgcta acaggaaagg agatttatac tataaacagc agctagatct   300
gtaaacaaca attgctatgt ttaccaaata tatacctcac cgggtcttcca cttaaaaaac   360
aaacaattat tttcatcaat gaaatcataa tcattcaaaa tcttagacac aagagagtgt   420
aactaagtgg atacctg                                         437

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<210> 10255
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10255

```

gcttgccaag aagttgcgca gacattgccn catctggtgt tggaagtcac taatagttaa   60
gaggacaaag ctgatggtat agagattctg tacatgtatc ggtctctgga cgggccacgg   120
gatgatgctc aaaagtagta ccatectttg ctgattcttt gaaacttaac tagttcttag   180
ataaacctgc cacaagaatg atgatttggt ctgtcaatgt cagaanaagt tgaactcana   240
actcaactgt tntttgccaa cactgttggt atggcaggcc atagaggact atagattcta   300
ttatgtggca aagcatttca aattctgcat tcttgtttat gggacagagc ttgtggaata   360
tcaaccggag aggggtgtgt gagaatgatg canatgataa aaattcctgt aggatcggac   420
catncaatgt tgtatcacta t                                         441

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<210> 10256
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10256

```

agcttagccc tcagaatctc ctccatgtcc ttctcagat cggttcgcaa gcttttctctg   60

```

ctcgtgcaag gcaccgatcg ccatattttc ctgcatgccc tcctcattct tgccttcta 120
 ttcaattttc aacaatttac atatccacta acacatcaca cattaataaa actatgccta 180
 ttgatgatat ataccttgag tgaccttatg aaatctgagt tgtcaaattt agttctaact 240
 cttctctctc tctctctata tatatattac taagaaaaga agagagggta tgtgtatgca 300
 atatgatcaa ggggaatttcc ttgagtaatc cgattagttg gatagctagc agctattgaa 360
 agggggcaca naaaattgtg attgcctaca aaagcaataa tcgtcattcc tttacaacta 420
 tgttttaatc ataatgagca tantaaatat agtttttt 458

<210> 10257
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10257

actctgtctg ttacaataag tatgtggtca agaaacacca cttgagccat gaaaccccgt 60
 tccagtggag acaataattg aggttccaag ggtgttagac atcatggttg catggtaggc 120
 aaacatctca cacatgtggt tcttcaacac ttgaccaatg ttaggtggca ttttaccacc 180
 aagtatantg gcttctgtcc gcaatgctac tgtgtgcatt acttgcacag cttttagtgg 240
 gaacttttca tgagctcggt ctccacacaa cattattcca tcataacctt ctcaaacagc 300
 aattgctata tttgatacct ctgttctggt tggagttggg tgaacaatca tgctgtctat 360
 catatttggt gtcacaataa cagacttttc catgctacaa cacaagttga tta 413

<210> 10258
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 10258

gacaatggta gtgcaatctt gttgtagtcc tggatgaatc ccctatagaa acttgcattg 60
 ccaagtaaag aatgcacttc ctgcacagaa gcagggtgag gccaagaagc cataacatca 120
 atcttggcct tattgacctc aatacctcta ctagagacca aattccgtaa gactattcct 180
 tcatgtacca taaaatggca tttctcaaag ttaagaacaa agttattctc aatgcattcg 240

tcaagaactc tagagaagct atccaaacat acataaaaaa aggaaccata aatagtgaag 300
 tcatccataa acacctccat gcaactctcc aataaaatag aaaagatact taccatg 357

<210> 10259
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10259

gcatggacca ttcaaccaac tcaaccctat gaaggaccaa ctcgtactta cacacttaag 60
 gacttacacc ttacaggttt aatgcttntg ggactatgga tcatccgact aactcatacc 120
 aatgaatggt tgactcgtat ataccactca aatgacattg ttagtccggt ctaacttgca 180
 tttctatttc acacgttctt ccatnttctt catttcaagc tcaaattgct tgcaattntc 240
 ttcatgggca ttgttgaaca ttctggtaaa gttgagcaaa gttgtgatta ttgaagaaaa 300
 aacatacatt aattagttgg cacgaggaaa caattatata gtagtaacaa atattatgac 360
 tgctagagat gtgaattcat agttttcttt ntttcataat tgaattgtat gacttccata 420
 tcagtatgtc tgataatgat accagatatc aacatannag tagacaaatt gaaagaatg 479

<210> 10260
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10260

agctntgagc canaatcctg actcaccata aaccttgacc cagggtgaga atgccaatcc 60
 ttaccctcgg aagcaaaaaa aaggagaaga gaaggaaaat ttccaatcaa agaggaagca 120
 taaaaaggag agaaggaaaa tttccaatca aagagaaaga aaagaagagg aaaggaaatt 180
 cccaatcaaa gagtgggaga aagaaaaaag aaaagaaaag aaagaaaact cccaatcaaa 240
 gaatgggaga aggaaaaaaa gaagtaaaaa agaagaaagc tcctgggtcaa agaaactaga 300
 agaaatgtgc agaaaggctt tttgaccgga cgatatctga acaatacaga attgtcacca 360
 aatgaacaaa anaagaagga aaggaaacca cgacctanaa tgggtcttctc cctttaatta 420
 ccaacaaaaa tcccgtgctg tagc 444

<210> 10261
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10261

tncttcgggc cattcctgcg aaggcaaaca ttnggaaagt tagttttacc agtgggacat 60
 tactcttaaa acaaaaatgg catataacct cctcccacaa atacaaacat caatgtaa 120
 ttagagcaag cttatgcgca tatttcctta caatcgttct cttgcacaag acaaaaaaaa 180
 atgcacccat atacaatcaa ggcagcttcg ttacctagat tatttacacg tacttccaag 240
 gtgtatttgt tacttacatc acacacatct ccttggttaa attcacatac atgcatactc 300
 caagcattnt ggggtaccaa aaattgcacc tgtgcacatc ttggtatttc taatacctat 360
 acatacacia acttcatgat gaatcttgac tatctacaca ataaggtggc tacatctcat 420
 gccttttt 428

<210> 10262
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10262

tctcgccgct cacgcgacac acatgccaaag atgctatgta tcatgtccat gtagcttaac 60
 tagtactgtc ttggcagagc cctatatcat ccgactgtcg atgcataggc ccaaagtctc 120
 gcggaagtag atgctcttgg cgagggtgatc gactctacac acctacaggc aaccagtgtg 180
 tgaggatcag tgtgctgtta ccttgtactg ctgtggagaa cttaactcag tgtttaactt 240
 ggccactgct atggcacaca cctacttcgt cccctgagag attatatggc ttctctgaca 300
 tagcatgctt tgatagatcc atatggccac atttcataaa tcgttaagga acttgctggt 360
 tataagacct tgacataata cgcttacttc ttaaatagat gagatggacc atgttgatac 420
 tcttatgctt gaganataaa tctcttcaca tatacttata catgcttttt atagtaccac 480
 tccn 484

<210> 10263

<211> 312
 <212> DNA
 <213> Glycine max

<400> 10263

agcttgaagg cctcaagatt tatgacttca agactttgaa tgttgatatt ggcattctcat 60
 atatgtgctc ttttagctaa agtaaagata atttaaagaa tgatataatg gctcccttat 120
 atatgtggga tatgtgctaa cataaaaagt gttaatatta ggacaccact tgtgctatag 180
 gtactactca gctggatgcc tttgaaaggt attctcaaga tgcttgcgtgt attataacac 240
 tacgaaaatg aaattcttat tatccatgag ggtgatgata accattccct gtacaataca 300
 atttatttct ta 312

<210> 10264
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10264

atatactgaa catatgaaga atacctgtgc tacgtatac tagccattgc atgagtgaga 60
 cgaaagtcct aacatcctac tagtgtatgg gcctcattaa aggttctaga cgaacgaatg 120
 gctgatgacc ctcatgatct ttgagcttta cacatacaat ggatacttta agcaatgctg 180
 tttctcctgg atgcaatgct aacgtgccct attgatttac accatatcta tttcaattca 240
 cacctgatct taatatgact atctacaatt cacacctaaa tgggcatgca ctaatgctcc 300
 aatgcttggt ctatcaatcc atatgactcc tggatttata atttattacc tgccaacacg 360
 atgcttctag canaggaccg cttatgagca gtctaataac cgtgattgga ttctatctga 420
 cacaagcttc cttgacactt actgataact caccttatcg tactagaaga tctactatat 480
 tagctccact tacttan 497

<210> 10265
 <211> 168
 <212> DNA
 <213> Glycine max

<400> 10265

tatatactag agaattagtg agcattgaag attctaatat taaaaaaaaa tcatttttaa 60

gtgttatcca aacatgatca tatatcactt agtgggttaa gaagaagaaa agaagaaaaa 120
gataggagat ttaattttctc ccgttcacac ataataatga agatatatt 168

<210> 10266
<211> 446
<212> DNA
<213> Glycine max
<400> 10266

gctgactatg attatggctt gattgttgtg aatttatggg ttgagatgt cattaataaa 60
actcagcaaa atcattttct atagacact ggcagtaagg agcattttac tttctgcagt 120
atcttagtgc acaaaagggt gagtccttgc actttccatc ggaacctgat tccattcttt 180
gtttccatat atagtcaagt acttaacagt ggaaaggaag ggaatcatct tattatgctt 240
aaagattcaa aatcccaaag tctttcatte atgctctcga cctttgtatc cagaaagtca 300
aaagtggatg aatgatcagt atgaagaaat tattcatagg gtactttaag cttccttggt 360
aaaatctagt atttagctta ataattatgt tccttatttc ttaacagtgt aatgcattga 420
tcttttcctt tctttgatga attatg 446

<210> 10267
<211> 448
<212> DNA
<213> Glycine max
<400> 10267

agcttcgaaa gatacttaat cttcacttac acttttcaaa gaggtcacat taaataactt 60
aatcattgt tatgccaac cctacatgta gtaactcatg catgtaagca ttacaaacag 120
caataattga tgcaaattgt tgaatttgag tatttccata cgatatatat gctagattta 180
atatggacaa gttttaataa tcttcatttt ttggcatgcc aattgccaag ttttaatatg 240
cccaattgcc cataatgttt tatgttgtat aaaatcaaaa tgtactttca ttgcctcctt 300
cattttctat gtgcaattgt tgcccggcat agtagttcaa gaaatataag accaatgctt 360
tataagttca taggcaaaag ataattagtt ttcctttcta ttatcatatc taaatcaaga 420
tggttttctt attgaataat acttcaat 448

<210> 10268
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 10268

ctaagtgaga aaccatgata tcaccatatt cttaagggaa tttggagctc tgggaattggt 60
 ttgggaataa gtgtgggggt ttttggttca ttggataaca tgttttgttg gtcattgcttc 120
 atgatataatt ttgagccata cttgatgtac attgcatatt ggtaaagtgt tggacatgct 180
 gaatatgatg ttgtttctca aaggctacag agtaaaaaaa aaaagaatcg aaaaagaaaa 240
 agaaaagcag taaagctgag tgaataagat cttaaattgac caaagaatga tgagactctt 300
 ggctctactc tatatgtata aaatgtatct ttactttctt ttatgttctt atgttgtctt 360
 aatatgcact tattctgcat tgctcctcta ttcttttggg 400

<210> 10269
 <211> 593
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10269

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 cnttctctcn cactctgccc gcggaanttt gaatcatacc gtctcgngca ccgcatactc 120
 acaggcacgc tgcgactgca tagcttctat atcctgttga gggagagccc tatgttctcc 180
 cgacaggact aacacgggtg ctgcactcaa ttctgattgc gcaagcgaat aaactcttat 240
 aacatgtaca gagttctata ttgacttatg cactctcatg gccctgatg ttcaagaaga 300
 ccataacttt cttaaagaat ctccccatcc tcgtccaacg agtgggtccat gattgggaga 360
 acaaccctgc tcacaaactg ttgttagctg ttatgatcct cacatgggtga tcttgaaata 420
 gtatttcctt gcttctaaga ccactgccac tcataaagac atttcaggca ttatgcacct 480
 tataggagag agctcgggcg agtactgtgc acgactcccc ccatattgtg aaattgtcct 540
 cccccagat ttttatcaac cttttttcat ctacgtatag gtgattacta ccg 593

<210> 10270
 <211> 393
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10270

ggtttctcgag aatgagggac tcaaagcaca agagctattg aagganaaaa taagatggag 60
aggaatgaaa gcatttcaac attgaaagaa tgagattatg agaggtggct aatccctttt 120
cctatctaac tacccttttc ttttatttac agcgttcctc tacatgttat tgtgaccata 180
tttacggcct gatatagtct cagcccacta acactcttat tataccaaca gtaancaaaa 240
tatattaact aacatatcaa ttaacataat gtcataattc atcttacgat gtannataaa 300
cactcaaaca caaaactaat ataaatcatn acattacaat tctttctgac aggaaatatt 360
cgtctgcaaa aattcaccta cctatgaaga gat 393

<210> 10271

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10271

agcttaccat gagtattaaa aaacttcaaa actgcctaata actaacctta tcatgttata 60
tcaaatagtc acgacaacac tataatgtgt agagaggcac aatgtcctaa cataaatcaa 120
tatgaccttc tatcactata aaataaatgc tcggtcattt atatttaatt aaataaataa 180
agagataatc atttcataac atacagtata ctacaacact tccaaaatgc ttagcaaagc 240
anaatgctct acataaatca gtatagtatt ctattaacac aaaatatata ttcttttatt 300
tatattttaa tattntaatc ttacaaagat catttaacaa tagcacacag tgtacaccag 360
ttttcgatct ggttgctact ggtctgattt ggttgagatg gtatatntca gctcaattca 420
tctaaataac agcagaaagt atgctatcag acaatgaaaa ta 462

<210> 10272

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10272

atactaagct tctatccagg cactctctng gtagtgaagc tctncttnc atggcttatt 60

tntcgtgga tagcgctnc tcttacctct tctnctttat ctttcgctgc atatccatgg 120
 gtgaaaatca ccattgaagg acctcattga agctcaaaga tccaacctcc atagaagctt 180
 ttcaagcaag cttccatcan atccttcttc catagtttca agagttttct ttcctctact 240
 ttgttaagag ctaaacctaa aggccaactc tgataccaac tgaagtacct gaaaaaact 300
 aaaagagggg ttgaataatg tgatggataa aaactctggg gttctaaaac tattaaaagc 360
 ttttcttaaa cagatatcag tggatgaagg gtttatccaa tgggtcaaaa t 411

<210> 10273
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10273

agctngctnt aagactgtat attgatttct ttagtatgca caccatgtgt tcatttcctt 60
 caactgagaa cccatttggg tgggccatac aaacattctc ctctaaatct ccattcagaa 120
 aggcggtttt cacatctatt tgatgtagct ccaagtcata atgggctact attgtcatga 180
 taatcctgaa agaatccttt cgtgagacca agaaaatgtc tctttataat caatgtcatc 240
 tttctgagta aattccttag caacaagtct agccttgtaa cggtcaaggt tgccatgaga 300
 gtcacgttta gtcttgaaga cccacttaca accaactctc ttacaacccc ttgttaattc 360
 tacaaggtcc caaacaccat tantgtccct gaaatctatc tcttctttca tggcagttaa 420
 ccacttctca gaattatcac aacttatagc ttgtgaaaat g 461

<210> 10274
 <211> 504
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10274

taatagttga aacacgagtc aaggagaana tagtagtgag acgattgaac agatntttta 60
 tgataaaagt atgggagagt agtgagggtt ttaaagagac gaanaatnta ctggtnaaaa 120
 ttaaacataa gataagatga ggataaatta atttcaagaa taatttgatt tttatatcag 180
 agataaatct cctatcaaaa aatttattat aaaaagatat actgtttcaa aataccaatc 240

atatatttga ttgacaata atttattttc cgatagttct agattctaata aattgcttca 300
 acctaattgt gatgcctttc ttgaacttaa aaaaaaggaa ttgatctctc tatttgtaat 360
 ttgtacgtcg tgtagaaagt ggcaaaactg anacggtgaa naatacgtaa aatccaatct 420
 aaaccttttt ttattagata agctcgaatt gatcttataa ttaatcaata acaattcaca 480
 tctaattggac tatntaatta acac 504

<210> 10275
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10275

agctngatga tataagtgag aagtgcgtgt atgtggttca cgactcaaga tccacgggggt 60
 actagctcta tcttccctat aggagaggga tcgtcataag tcgcgacgtc tacttcgacg 120
 aagaagattg ttgggattgg actgctcgcg aagactagta tgactatctt ccttattttg 180
 aagaagatgc tgatatcgta caactcatca tggaggaaca tattgcacca cctgcctcac 240
 cgacacctac gctggatgaa acttgttcat gtgagaggac tccgcgacta aggagcattg 300
 aagagattct tgagggaacc cataacctaa acgacattaa cctcttttgt ctttctctgtg 360
 gttgtgagcc tctaattctt ca 382

<210> 10276
 <211> 563
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10276

ngcgggggtcg cctcgatctc atcatctatg cgacactata gatactcaag cttcctctnt 60
 aagcttctca tccaagccac tctcttggtg gtgaagctta ttcggttgcg ggcttagtgc 120
 tctagcggat gatcgctact ctgaccccgat atccgctcat tttcgctgca attccatggc 180
 taaaaatcac cattgaacga acttatcgaa gctgaaagat ccagcctaca tacaagcttt 240
 ataagcaagc ttccaacaag tggatatcaga gcacactagc ttcaacttag cgctacttaa 300
 gactgcacta attgatagct ctactttctc ctccattgct gtaacgataa tgctatacat 360

gtatcttctc acctggcttg cgcttaatga tgttgacata atatgatata agtatcaccg 420
 attaagcttg ctatagaagc tataatctat tttctatgga tcaaattcct tcgtcttgaa 480
 cttgaaacat gaattgggat gagtgtacga tctctcagag tttatattgc caatatattc 540
 gctgcaccta caccatacag tcg 563

<210> 10277
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10277

aatgtaatta tgaaattgag atgcccgaag aaacaccatt ttctaattaa ccatgcatta 60
 ggtaccatgt tcaattatct tgtttttaa tgaaacgggt ttgtgatccc aacatgggtg 120
 gctcgtgggg cctgtcgcac ctacccttcg gcgggagggc gacgcgagac tcgcgggatg 180
 cgtgttccac gaaaggaata cgcgcgaggt cgccaccaac gtttatttga tgaaaacgtc 240
 ggaaaagccc gaaaagacgc ggtctacgaa ctttttagtg aaagggttcgg gagtngtatt 300
 tacgcacggg gaaggatctt agcaccaca cgcccgctcc caggacggc agcctttaat 360
 cgaatgtgca aacatgactc tgattttatg gtccctctta tgtcttatac ctttataccc 420
 ttttatata 429

<210> 10278
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10278

acatgatata tgtcacggct tgggttcggt caaggataat agggatgccc cacattattt 60
 ccatgacaca aatgcaaaaa tgatgatttg gaaacttcat gcaaaacttg tcatgcatgc 120
 atctatgcgg aactcaaat gtcaaatttt tatggatcat tgatgctaag gtcacgatt 180
 cttttctct attttaata aacccaatgt ttccaaaata tgttctttta tcaatttgtg 240
 cattcatccg agtccatttc gggcgctcgg gaaatttcac agcattcacc cttcaggcgt 300
 agacacattt tccaaaaatt gggtatgggt aatgaagttt ttcatagaac agctggaaat 360

cggtctcttt caaaagcatg tcatttntag ctagacaact cattttcttt tgttctcctt 420
cttct 425

<210> 10279
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10279

agcttacatc acttgtgaag ataacaatat gaattcttcc ggagactcag aanatgaggt 60
catgaatcta agtctcattg ccaaaaacta tgacagcgaa gaagaggtaa catcttctaa 120
caataactta tctatttcct ttgatgaact tcaagatgca ttcagtgact tacataaaga 180
atcagtcaaa cttgccaaac tagtctcggt ttctaataag actatctcaa atttagaaaa 240
ggaagtctta aaattaaatg aagaattaga aaatcttaaa attgaagtta aaaccttaaa 300
accaattgat acaaatacat cttctaccat anaattgata caagatagta atgaagcatc 360
taattcatgt aatgttgtaa caagtttaaa gaagaaatca aagatctcga aaattctctt 420
ttcaaatcta ctattagcaa aagtaatgta gatattat 458

<210> 10280
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10280

tcatacaatt aatatagaac ctatattcct atgtcacatc ctatcagagc gttgtgttcc 60
ctgtctctaa gcatgagggt cttcatagtc atccacctat tcatctgctc ccccgaaac 120
aaagttcaag atcatcacag gatccaaaca caaacagcaa accgagagtg agttatcaca 180
ttcctaacta ctagagagaa acaagacaac atatagtagc caaatacaat ttacttagca 240
tatctcacag tatttcatca cntgtcatt caaaattcac tgttcaatca tcaatcacia 300
tacacaagaa tcacacactc cgatcaagac ataataacac atcaatttca taataaacia 360
ttagcaagcg tatgcaacag ttatgctaag actcaagcct atatgcaatg tggtagcatg 420
ttagtgaana acctcgctcg ggcgctagga gtacatgaca agacaaacca cacacaagca 480

agtcaagtca ctc

493

<210> 10281

<211> 307

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10281

agctttgagc aaatttaaac gacaataact ntttactcgg atgtccgagt gagtcccgna 60

atatatcgag acgctcgtaa ttgaaaacag aagctctgag caaacttaaa cgacaataac 120

ttttgactca aatgtccgct tgtgtcccggt agtacatcga gatgctcgta atagaaaagg 180

gaagctctaa gaaaattaaa cgaccattac ttattactac gatgtcggat atagccccgg 240

aaaattttca gacgctctaa attggaaaca gaagctctta ggaaattcaa acgacaataa 300

gttttga 307

<210> 10282

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10282

aagttcttcc tcaacactgt cctaagcaaa gttcccaaag tcctattaac aacttccggt 60

tgcccatcgg tttgtgggtg acaagtgggt gaaaataaca atttagtgcc caacttgctc 120

cacaaagtcc tncaaaaatg gcttatgaac ttagagtcct taccactaac aatgctcctt 180

ggcaaaccat ggagtctcac aatctccttg aaaaacaaat caaccacatg ggaagcatca 240

tcaactnntt tacatggaat aaaatgagcc attntagaaa acctatcaac aaccacaaaa 300

atggaatctc taccattgct tggttttggc agccccaaaa caaatccat ggataaatca 360

atccaaggat actccgggaa tggcaatgga gtatacaatc catgaggctn taccttagac 420

tntgcctctt tacatacaat gcaatgntca ca 452

<210> 10283

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 10283

agcttgtagg attatggngt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
gcaaaacaat tctccacatc cacaaatcac atataaaccc accatcccct gttgcccacc 120
ttcaactggg ctcacgtact cccacgtagc ctttatectc gtttctctca acaccaggtc 180
cccatcaatc ctcccatgct tcaacaacat ccaagtaatt caacattaaa tcatcacaaa 240
ctaacacagc caagaaaaca gggcaaaggc agaaaactct gcccaaaaca caaaccaata 300
tcacagcttt tcacattcaa ataccccagt aacatttctc tcgttcagc tctttaaccg 360
gtggatcgac tcgaaaattt tattggatgt ctctagtaca taagtataca ttntgaccgg 420
tgggatctgc tagaaaatgt tcataacccc atatgtac 458

<210> 10284
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10284

tagcgacaaa ctgcgcttag cgtgccaatg ggacgtttga gtntaaaacc caagtgccta 60
gcctagcctc gcgctaagcc taacttgaag ttgtaaagtc ccataagcac cttgggctta 120
atgcggcagg ttgcacttaa cactttctgc aacacaaaaa atctttctgc aatatgcgct 180
tagcctgaga tgtgaggctt agcgtaacat caaacttcaa cttacagaga ttagtttagg 240
cttagcacia caagtgcgct aagcgaactt ccaagaattc aaaacccgta agagaatggc 300
gcttagcacc tnttgggccg ctaagcccag cttaaaaact caagttacat aatggatc 358

<210> 10285
<211> 419
<212> DNA
<213> Glycine max

<400> 10285

agcttcttat ccaaggctca tcttagtggg gaagctcatt ctcccatggc ttattcccta 60
gtggatggcg cctcctctca cctcttctcc tttgtcttcc gctgcatctc catgggtggaa 120
aatcaccatt aaaggacctc attgaagctc aaagatctag cctccataga agccccacaa 180

gatgaacacc ctattatcat ttaaatatag cacacagaat tttctacatc taatccaagt 420
 ctatctattg aaactacctc agcttagcgt ataagatatt cgactatagt cgcttaaaat 480
 aaaaatacat attatactgc tgattctggc n 511

<210> 10288
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 10288

agcttctaga ccagcaattc ttgtgcctcc gtagtataaa tgagttgcat caacatcagg 60
 aaagatgccc tctccaaaga tattttttgca aaggtccata tggatatctgc aatgcatgag 120
 aaaagaatca acaaccgcac atattaaaga atagagtcct aatgaaatat taaataagag 180
 gaaagaatcc tgtcaataga ggagtatata aagtgaacag tgaggatgac gaacttgctt 240
 tgcatacaatt tctgaggagc gtatactatc atttgatgga gccacctgaa agaatgcaac 300
 ttcagtgcga acttgaaacc accataatcg agtagaactg tcttcatcga tagcagattt 360
 cttcaagtac tcttggtcat aagtctgcac attaacaacc aaggttccaa t 411

<210> 10289
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10289

tcattaaagg ggggcatgaa ctatgactgc accncttata gttgctaatt tctcatttca 60
 ctgaacgggc tataaaaaca tgtatgttca ctttctagag cgcagactct aacatgttac 120
 tcaatacaat atgattaaaa cgaatcttta gaccgccttg atgggattta tctgtgccct 180
 tttccacact atctgtggga gtgaaattat aagcattaat caccttgatga tctttcattc 240
 aatgaggtga tgattgatca ttatgtctac tcacagtggg cattccctgt tcgaatgtct 300
 attacagctg gatcttaaaa gtcggattga t 331

<210> 10290
 <211> 436
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10290

agcttttagag cttacaaatg aaagataata acatcatgac aatctatgat aaaatcacia 60
gctttcaagt ctctcagcac aatntacgta aaataaagca ttattttcca cagttcatgt 120
taacattaaa aattataagc catatacaga agtaacaaca acacttttca cgccaactta 180
tatgtcacia ggttttaaaa atatgtctgc aactgcgatt tcagctgcaa caaatgagct 240
ggaattgtct gcaatttccc gcaatataaa ggaaagtgc aaaaccgtgg ccgcaattta 300
aaaccttgat gtcaaccatc cagtcaacta atcaagatac acaccaaana tacctgagaa 360
gaaccagaat catctggtga tgaggctnta gcacgacttc ttcttccatc tagcacagca 420
tggacattta cataac 436

<210> 10291

<211> 340

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10291

tatatctnnt ctttttcaga atataaatgc tcaagttaat tntctagaat tacatgatat 60
attatgttgg cttccttaaa tatttgaaat atttctggta aaaaaaagtt aacattttgc 120
aaattaactt gatattttta gagacataat gaattgatat tgaatatcag attttatact 180
taattaattt aaccgtcaaa gttcttttaa actagcattg aattgaccaa tttaaccgtt 240
aaatngattt aattttacat attaaaatag tttggtgttt ttatctaaca aagttacaaa 300
agaagaaaca tgtcaatact ttgttttaac ctcttttattt 340

<210> 10292

<211> 464

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10292

agcttgactc tngaagggct ataccagatt gtcgggaagt cgactgtgga aagatgagtt 60
ctttgggagc catagatcga ccattcaaga tgttctcgct ntaatcacta agttagtcca 120

ccaatcatga gttgatctac atgattttta aaatacaaga actgtaaatt aatgtgggtc 180
 atgcaaaatc aaatggaaat tgtcaagatt aaaagttatt taatgggtcac atgatcatat 240
 taaaaagtta tcatcattta tatgttaatc tctaccattc aaattcaaatt aagatctaatt 300
 gatttatatt ttattctcac ttctcacaat aaaagtggtc tccgcaccct tcccaaaagt 360
 atgttttggtt tattaataat ttaatttttt ttaaaacata tactaattta acttattcat 420
 tataaatntc aaatatactt ttatattcaa atatattaca tcat 464

<210> 10293
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10293

ttatccatca tccaaacaca cacttaaact tgtgggttaa aatctgaaaa gaaaatgatt 60
 atttatcata aacctaanaac atatctaagc tnttataata aaaatattca aacataaatt 120
 atatgacttt aaaagtaatt ttaacaaaaa ttatcgatca tccaaacact cttctgggtt 180
 aaaatctgta aaggaattga tnttgaacag acacggggcca cacccaaaca tacataaaag 240
 ttattagttg taactctcgg gttttctaca aatctgatgt ggttntctgt gttataaacg 300
 tgtgtcgaat aagcaccaag taaaatatat ttaagggaag gagtaaacca aattacaaaa 360
 cacgtaaacc agatttcttt gtgctcttgt cacaattgca tgtccaatat acac 414

<210> 10294
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10294

agettgagat gaggaagtgt tgaagggtga aacttcctgc tnttattggt gaccacagag 60
 tgggtacctg agatatgtcg cggnggtcag gagaccttgn ggacgtcagg tgggggtgcta 120
 ttgccccaaa ccaagcttga ccaatccga cccaaccg gcatagtcgg tcagtgagaa 180
 cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aaaacaagac 240
 cacaaagcaa ggaggcttgt ggtggctggc cagctgtgaa acttgattga tatgtggatt 300

gtggcctctg gtaatcgatt accaaggggtg agtaatcgat tacaaggctt aaaattgagg 360
acaggaggct aagatgggtct ctggtaatcg attaccaagg ggtgtaatcg ataccaggct 420
tgaaaacgaa gtcaggaaac 440

<210> 10295
<211> 210
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10295

catctcttat ttaagcattt cagcctttgc tttcgtgtag ctttaagaaaa acgtcatttc 60
ttcttctttc tttcttccaa agccatttct aaagttccaa gaactttctc catcaccac 120
atccaccatt agccaccaca aaccatcatt gntctccatt gaaaaccac actgagagga 180
acccttcaac cgaagcggaa tctttcaact 210

<210> 10296
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10296

agcttatnnt cttttgttca ttgatcccta ttctataata ttggtctgct taactaacc 60
tgtagatatt aatttcacaa tggaagtaaa tgccattaga aatctagttg tctaatttgt 120
tataattagc caatggacaa ttgtactatg atactctagt tgataaatc ataacccttg 180
ccgatggcaa cgcgggggtg gagccggaga gctcgggctt gcgattccac tggaggagga 240
caaagggggg tttgggtttt ggaggggaag aggggagaat ggggc 285

<210> 10297
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10297

atgactgcag ctcaaggaag gtagtgatca gtagtgatgt aatctttgat gagtatagaa 60

gcctgaattg ngaaaacata actgtagaaa ctaatcatat gcagcaggat ctcaattttg 120
 atttggatga gcctgcctca gaaccacctg aagggcatga ggatatgaat catgacatat 180
 tggatcagga tagtcagaac ctataagagg caatccatat gaggggtcaaa agaactangg 240
 ttcacccgtc aagactccaa taatatgagg cataactcaga tgatacgggtg actgatgaag 300
 gagaactctt acccagtga gaagtgcaca 330

<210> 10298
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10298

ttaagcacgc ggctgcagct tcatggagga aganaatgag agagatgggtg ggcggtggaa 60
 ttaaaagaga ttagggagag aagttgaact ctgaaatgtg tctcataagg gtctcattca 120
 tcaaagttgc gacaagtgtt acacatgttt tatttatagc ctaggccaat aactcaaatt 180
 gtgaatttca ttttcatttc ttgtgaatct aaaaggaata ttcttagaat atgccaaatg 240
 catcttagca tattctcttt agatgccaca agcatggaag gtgtgactct agcacatggg 300
 aagcttcctt gagaaacaag gaaggtagct ttttccttgg gaagcaagga aggtagcttc 360
 cttgagaagc tagaggttag ctactcacac cctccaata gctaagctca ctcccatgtc 420
 ataatacatg anattacaac agaaagtctt actacaaaga cta 463

<210> 10299
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10299

agaaagaggg agagaaagag agaggggggag cacgatattg aaggaataaa agaggggagag 60
 aagtggaaact ctgaagtatg tctcacaaga ctctcattca tcaaagttac aacaagtgtt 120
 acacatgctt ctatttatag actaggtagc ttccttgaga agctttcttg agaaaactct 180
 cttgagaagc ttctttgaga aaagcttctt gagaagctag agctntagct acacacaccc 240
 ctctcataac taagctcacc tccttgagaa gcttccttaa gaagattcct aaagaagcta 300

gagcttagct acacatacct ctctaatagc taagctcacc tccttgagat gagaagctag 360
agcttagcta cacacccnct ataatagcta agctcacccc catgacaaan aacatgagaa 420
tacaaanaaa aaagtcctta ctacaaagac tactc 455

<210> 10300
<211> 433
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10300

cgattatata tctatatcgg tccgctgcca ccgtgagccg tcgttatgtg atctcttaga 60
atcacatcct ctggaacaaa cacgaaactt ttgatcgatt gcagtccacg aattacaatt 120
tcaatgaaag gccatttcta ttgagctgga acgacgctgt tttccagatg agcatgaaag 180
atcctacatc ttttatatac tcgcattaac aatcacgatt gtgctgtggt gttatgctng 240
gtgtccttac tttctctatc attatatgga gaatggagac tattagatct aacctttcgc 300
atctagacca ttgcccgac ccctccctca cgaacgagag agnaatttca cttattaacc 360
tttccttgct atcctaaaca ggatgtttag tatcaagctg tgcaccctta aattggggtc 420
ctttgggcag acn 433

<210> 10301
<211> 430
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10301

agcttgaaag gatgcttcaa tggaggaaaa gaaagagggg gagaaagaga gaggggggag 60
cacgaaattg aaggaataaa agagggagag aagtggaact ttgaagtgtg tctcacaaga 120
ctctcattca tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggaagc 180
ttccttgaga agctttcttg agaaaacttc cttgagaggt tctttgagaa aacttccttg 240
agaagctaga gcttagctac acacaccctt ctcataacta agctcacctc cttgagaagc 300
ttccttaaga agattcctaa agaagctaga gcttagctac acatacctct ctaatagcta 360
agctcacctn cttgagatga gaagctagaa cttagctata cacccttat aatagctaag 420

ctcaccccca

430

<210> 10302
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10302

ctgcttaatt gctccagggt gctgcatgga agggcaaagg tctgtatggt ggtcagtaga 60
ggagcacaca ccacaaaccc ttgcgacagg tacagatttc tgattcaagg ccagctgggt 120
taccaagtta accaatgcat ccagtttgcc ttcaagcttc ttagtttcaa atgatgcaga 180
tgggtttgta gctacctcat gcactcctct aatgactatg gcatcatttc tggcgctaaa 240
ctgctgagag ttggaggcca tcttctcaat taaatttctg gcttcagcag gagtcatgtc 300
tccaagggtt ccaccactgg cagcatctat catacttctc tccatattac tgagtccttc 360
ataaaaaatat tggagaagaa gctattctga aatctgatgg tgagggcaat tggcacatag 420
tttcttatat cgcttccagt actcatacan gctctcttca ctaagctgtc taatac 476

<210> 10303
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10303

atcatgattg tgattaggac ctgacggctc cctgagtga atagtagcag gctgacaat 60
tctcggtgct gtctagatgc ctactcaat ggagagaccc gagctgtcat ggcgattgtc 120
taacgaaaca ctatttgcct tcgaccacac tgatcgctct tgagttggta agccagtttt 180
gacgatctcg ccactgaata gaacaacccg cacatctttg tgtcgtccag ctagagagac 240
aatgaacagg ttaaccacga cacatgctat ctctgttctt ctgcacacct gacggaaata 300
taattgtgaa tcgaggaatt ctagtaacat tccctcatgc agccgagata ttagcttaaa 360
gagacctttt ctacgtgctt aaagcatggg cccttcaccc cactcttggg tctagactgc 420
gtaaccan 428

<210> 10304

<211> 273
 <212> DNA
 <213> Glycine max

<400> 10304

agcttgtatc cattagaaga gaatgagcat ttgattgaaa ttatgactga aaatgttagt 60
 cagtttgtca gatggattat gaaggaatgc attgatcata tcccgatgag agtgtgatcc 120
 ttaaattttg agagaaacta ccataattta gtactaattt ttgctggaat ctttgacgta 180
 tggactgaat gcatgaaatt gaggatgatg aacgccatgt ttgattgtga tagccactta 240
 accaaaaagc tgaccacatg cttgaatgat tta 273

<210> 10305
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 10305

tgtagggtta aagtgtcatg aatgtcacgt gctcatgcaa caattgttag ccgtggctat 60
 acgagacatc ttgccaaaca aagtcagggt agccataact cgcttgtgct ttttctttca 120
 tgccatatgt agcaaagtca ttaatcctgt caaatttgat gagatggaaa atgaggccgc 180
 aattatattg tgtcagttgg agatgtattt tccccctgct ttctttgaca tcatgattca 240
 cttgattgtg catctgggtca gagaaatcaa atgttgtggc cctgtttatt tgcggtggat 300
 gtacccggtt gagcgataca tgaagatctt caaagggtat acaaagaatc tatatcgctc 360
 aaaagcatct attattgaga gggacattgc 390

<210> 10306
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10306

agctntattc aagacaaaga aattaaagat attctagatg gatgatcaag acaagtctct 60
 agtcttagaa atggtatatt aaataggagg gaattccaat tgaagtagca aaaggtttgg 120
 ccaagaaatt taagttaaaa agtcttttac aagaaattta ctctctggta atcgattacc 180
 agaggatgta atcgattacc aatggccaaa actgatttac aatagctatt aaaatttgaa 240

ttcaaaatTT gcactgtgta atcgattaca catatgtggt aatcgattac cagcaatttc 300
 tgaacatttt aattcaaatt ttatagtttg taatcgatta cacatatact gtaatcgatt 360
 accagagcag attttcagaa tatattctca acagtcacat ctttttgtgt ggttcttgaa 420
 tggctatcac agggcctata tatatgtgac tt 452

<210> 10307
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10307

ttgtgtggag cttcaatggt gaatgaggaa gaagagaatg gcaacgtgag ggagagagag 60
 ggctgtctga aattttctgt ttgctgagt gaggagagag aaaagctttt tggctcttaa 120
 taaaagggt tttccctttt tccattattt tatttatgca aaagccacat gtctccattt 180
 gagtggagca agaagggccc acttttcctt ttgactgtga cccacactca gccacacaaa 240
 cgaaaaaat ctaacctttg aaatgctaaa atcctgcctc agtttgctg ccgtttctct 300
 ggttcaattc ctgcgcttc tctgcgtccg tcggggccat gtttctatng caagcaatat 360
 atatatcaaa acgctcagaa taaaaccccg agcgt 395

<210> 10308
 <211> 116
 <212> DNA
 <213> Glycine max
 <400> 10308

agcttgtggc gcgacatggt gacttgatca ggcttcttac attcacaacc gactctgtct 60
 tgtaggattc tcatagaggg accgcctgta cctgcacggt tgtcaacgac atattt 116

<210> 10309
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10309

agcttccatc aattntaaag ctgtccnccc acatgttcac ttgatggaat gggatcatata 60

tacccatcct tttcgtgagg actagttgag ttgatgaaga gttcatatac tataaatcat 120
gcaaaaagaa aattcacatc tcaaattgga gattcaatgc aatgtagaca aggtaaaatg 180
ggaaaattta gacttggttc tctataaaac tggcaattga tttgaaaact ggaatatggg 240
tttgctggaa attgaatgaa acctcaacat cagaaacagc aagattgaac ttttcacatg 300
gtttatgttc tgttatctct aggattggcc aaaggaaata actgttttct aaacaatact 360
attaaaaaac aaaataacat atgtttgatg ccacttataa gcaaaattta acatgataaa 420
cgaacttcaa tcaaaaggaa gaagctgatt t 451

<210> 10310
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10310

tatgactctn nggcaatatc tttaaaaact agtcacttaa naaattgtga cttttgaaan 60
aatcttcaga aacaagtcac ttgaagaatt gtgacttttg gaaatgtatt tttcgaaatc 120
agtcactggt aatcgattac cattaagggtg taatcgatta cacaccaacc aatgtgactt 180
ttcattctga attttgaaaa ttaaaatggt taggagctct ggtaatcgat tacaagttaa 240
aaatactttt aaaactgggt aaacataagt tataactctt gaaatttgaa atcttaacgt 300
ttaaaatact ggtaatcgat tactacct 328

<210> 10311
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10311

agcttggttn taattatggt gttacaataa tgctgtttag tttaggccta gtcttacatg 60
atgcatttgc ggacaaagct taggctaaat taggctaaac tttcataagc tacttgagct 120
gagtctagtc ttacatgagg gatctgcaga cgaaacttag ttttaagttag tctaaaccta 180
agagggttgt ctaaactcggg tgtagtctta catgagggat ctacggacga agcttggata 240
ttcagcctga cgagggatca aagggttagt aatttagggt acaacataga acacaagagc 300

aagattgatt agagaaatat atttctgtca taccctaatt tcgcccgggg accattgttt 360
 ggtggcatga aacctttgct tgaccgcctc gngtacttg acacccatcg ttaggcaatc 420
 cgtgaagttt cacaacattc tggaagtcaa aaa 453

<210> 10312
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10312

tcttagttnt agatgatgca cgatgagttg tagccacctc atgtactcct ctaatgacta 60
 tagcatcatt tctggcgcta aactgctggg agttggaagc catcttctca attaaattta 120
 tggettccagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
 tctccatatt actgagtcct tcataaaaat attggagaag aagctgctcc gaaatctgat 240
 ggtgagggca actggcacat agttttttaa tatctccac tattcgtatg ggctctctcc 300
 actaagttgt ctaatacttg agatatcctt cctgatgcgt gtggctcttg aagcacggaa 360
 aattntttct aagaatactc tcttaaggtc atcccagctc gtgatggacc 410

<210> 10313
 <211> 455
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10313

agctntcaac anatgtcttc acaaataatc atcacacagc agaaccctag caagattacc 60
 catcatatct ccccaaaacc ccataccac gaaatttaag agagaaagaa gtccacccaa 120
 acctgaatth tcgaagtccc actcgtagcc acgcacttca ctaccccgaa aatgctgtcc 180
 tttcgtgatt tggagcagaa atgagcacca aagggtgaag ctttgttggg caacaatggg 240
 ggatgggaga aaagaagaag aaggctgcgt gagagagaga gagctgtctg aaattttgtg 300
 gggctgagtg aagagagaga gagggtgctt ttagttntaa aagaaagggg tttccctttt 360
 tccattatth tatthtgagca atgccacatg tctccatttg agtggagcaa gaagggccca 420
 ctatcctctt ttgactgtga ccatactca gtcac 455

<210> 10314
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10314

cgtcttgtgc agaattagga tacagagggc acaaattttt aacaacaatt ccaaagcaca 60
 ccataatgcc tatttntcga ggaaagagct tggaggcagc aagaggagca gcttntgcag 120
 agagacctag gttttgtaat tagagagaga ttagtgagtc gtagaataat tgtgagatgc 180
 tgagaagagg agtatggatc cctcttcttg ttttaaggaat aattattcta tactcttaat 240
 ctcatctgtg ttaggggttt tctgtatggc tggctaaaca ctcttggttg gaatttctat 300
 ggaacagctg atgtaattac tctaatatct aattgactgt gtttctatgt tcaatgcttc 360
 tttcaatgct taatttctac atgctcttgg tctgatcacc catttgatg tctagttagg 420
 tcactttagc attgagaaat 440

<210> 10315
 <211> 461
 <212> DNA
 <213> Glycine max

<400> 10315

agcttgaatg aggctgaaga agctgctgct catgttcaac aagatccggt ggagattaat 60
 ttatctcagc ctcatctgtc acaagatagt gacatggagg tccttgcaac tattgttcca 120
 ccaatagcaa ggaataagct agccataaca agagccaaaa aaaggaaggt tgctgataaa 180
 gatgatgcac aaaactgaag aaccattttt tggtgcattt tgaagggtgc tgaagacca 240
 ttttttgttg cgcattttga aggttgctga gtttgaaggt tgctgatgaa gaaaactgaa 300
 gaagcattct ttgttggcat ttgatattag gatgtgtagt tgtatatatt gaaagcttca 360
 ctggcatgtg aaatgatgtc aaatattagg atgtgtagtt gtatagtttg aaggcctact 420
 gaacaattgc ttctaactac catgctttgg gatgtcaaat a 461

<210> 10316
 <211> 388
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10316

acacaccatt ctggaaaag tcctattaat ccatgattgc gcatgttatc tttgatttga 60
taggaaatga tttgcaaagt caagtcatga catatctatg gttcagaatt aggatgaaac 120
atttgectgt gtgagattta tacactttga gcgatttccc tctatttcaa ctggacccaa 180
tgttttttct aagcgctcat ttagaaacga aatgctaata tcctaaatct catttgtggt 240
tatgagaaaa ttctatcagc atgctttcct tccaataga cacattgttt tcttcaaaaa 300
tacatgttgt ntgatcagtt gaaagttggt tcttgctagc gtgttgcat tagtgaaaaa 360
cacgagata cttagtctcg cctttcat 388

<210> 10317

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10317

agcttataat attnttcatt tctaanaata ttatggacta ttattntgcc cactctaaag 60
aaactntctg gatctattat tggatgcaat acctatgcaa atgataacca tagagaaaat 120
tgatgataac gagacatgac atgaacggaa gacaaccacc ttggtacatg attaatgttt 180
ttatttattg taatattttt attctaactt ccattattat ttttttagta cttatgataa 240
ataaataaca tatttaaaaa ttaaataatag tggataata ctaataattt ataacatctt 300
aaagatttaa gcagaaataa aattgtttta aaagtagatt gataaagaaa cataaaataa 360
atccattttt caatactagt tacatcaaag ttcatttcat tctttntctt ccgngngtgg 420
agaattataa taatttttta tgtcaacgta attagtatta tt 462

<210> 10318

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10318

cctganatng agaganaatg attattaaac acacataatg aaaatactaa gtatttatta 60

cctatactta acagaaaata cttataaaat tacaaaaata ccataaattg tgagagtttg 120
 atacaattta tacaagtttt atacacaaaa gttatgcgtt ttcaccgact aacaactccc 180
 ccaaatttat agttttgcta gtgctcaagc aatcaagaac aactcacttg tcctcaagtg 240
 ataacaacga gcagtgatta tgtacaaagg tgtatgcac acaaattact gattgcataa 300
 tgagaaagat gaagcaatgt gtacctatca ctgcgtcttca caaaatatgc agttattcaa 360
 agagaagaat aacaatttaa ctatacagtt agatgaagtt aatcataaga cagatatcaa 420
 ggagagtagc ttaaaccaca gtc 443

<210> 10319
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10319

agctngtatt tccatgtcac gatattacca gagcccnctt ccaccaaga tgatcctact 60
 ccttctcccc acattcaaac tatccttgac cgttaccacc ctttggttca aacacccaac 120
 acccttcttc cgcaacgtga gacagaccac cgtatccatc ttctaccaca agccacacct 180
 gtgaatgtcc gccctaccg gtacccccat ttccagaagc aggaaattga gaaacaagtt 240
 gaaattatgc tacaaaaggg ccttatacaa cctagtaata gcccttttc atcgccggtc 300
 ttgccgtca agaaacaaga tggatcatgg agattctgcy tggattatag ggcgtcaat 360
 gctctacca ttaaagacag gttcccgata cctaccgttg acgaaatgtt ggacgaaata 420
 nggggtgctc attacttctc gaagctcg 448

<210> 10320
 <211> 493
 <212> DNA
 <213> Glycine max
 <400> 10320

atgcgtgtaa gtgaacaaat ataacacatc caataacatg aggtggtaaa taaaccatgg 60
 aaggaaggat acaatgatca aacaacacat ctagaggcct tctcaagtta agcacctcta 120
 gaaagggttc gattaatcaa ataaactgta gagctcacag cctcacccca taaatgagat 180

gggacattac catctatcaa aagtaatctt gtcacctcta atatatgtct atctttcctt 240
 ttagccactt cattttgttg tgggtgaataa gggcatgtag ttcgatgcaa gataccatta 300
 aagttcatga actctattaa ttcagtctta aaatatatcc ctcaattgtc taatctaattg 360
 accttaatat atgtgttaaa ttgtgagcta tcatctgatg aaaggaacac acaatatcac 420
 acacatcact tttatgttta agcagataca ccaggttac ccgagtacaa tcatcaacaa 480
 aactgataaa cca 493

<210> 10321
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 10321
 agcttgttgc cctcaacgtg ttaaagaata catgagtatg cttttccctg ttctgggtcaa 60
 gttaagatgt tagccaaaac ttaatttggt tccatttgac aaaatattta aattatcctt 120
 atttcactta aaataaacct ctttactggt tgtactattt tataaacctc aaacatgatg 180
 cattgttatt tgagtatgat tgatccagct gtcggtgtca ttggcactga gcatctttcg 240
 aggtttgtct ctatttataa aaagttgtat gattgtaaca tgcggttggt caaatatcgg 300
 tattgtttca tgttactagt tagttgcatt atgagtgaac cttagatgcc cgttcgagat 360
 tcgatacatc gattaatacg gatagtttga attaatacgat gtattgattc ttgaattgcc 420
 ttttggacag gtcgggatga catattttta t 451

<210> 10322
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10322

tgtgccacct acattgtaac atcccaattc tcgtaaacta gattaatatg gatggctatt 60
 tataaataaa tggaatttaa aaaaatgatg agattttata aataaataaa taaggagata 120
 taattattaa ttaaaataat gatttgagag aaaacaaaaa ggggtttttt tatttgtttg 180
 atagagaata aaataaagtt tggttttata aactaataaa taaataaata aataaataaa 240
 taaatagagt aaataatatg tcgtanatgc ccctagctat aaatagcaac atgctaggtt 300

cacatgcaat caccctggtc tacaa

445

<210> 10325
<211> 439
<212> DNA
<213> Glycine max

<400> 10325

agcttatagt ctctttaatc ctgcctaggt tagctgtgct attcttagcc ggtcccaagc 60
ccggataaaa ggagaggggt gtgttatgct ttcgacagcc aacgtaaaac tttgtcgaat 120
ctctacgaca tggatcaatt acgtaataat gtgaatgcta agtcgttgcc cggaagcaac 180
gcgctgtatg gctcgagtac agtgtcaaaa gagcaagggc cactgcatcg ccgcccggat 240
gtagtgaaaa gtaagcaagg gttctcacat tttcgtgaac ggggtgtgggt aaagaagcta 300
gttcatgaca ggaggattcg ctttgggtaca tggaatataa gcacacttac tgaaaaatct 360
atggaaatag tggatgttat ggtgaggagg aagatcaatt ttatgtgcct acaagaaact 420
aagtggacag gtgaaaaaa 439

<210> 10326
<211> 436
<212> DNA
<213> Glycine max

<400> 10326

agctagacta gcactttaca taagccaaga tgaagatgta cattgtgtgc aagatgtata 60
gggtgaacag caagtgcagc tttgaattcc ttcactgcc tgcgtagttt acccttacta 120
gcattatctt tagcctttca catagaaacc aaaagacaac ctaccatttc aacacccaaa 180
agaaagaagg aaaatagaat ttacatgtta tgtgaaaata aatttccaca atagatccaa 240
gcttacactt ttactctttt tgagtagatg tctcaatcca aaatatgcct ttttaagaca 300
ctatgctctg gatctacgag gagaccttta tgacaatgcc tgaatatata tgttcgcata 360
taagctagat gttatatata catatataga tatatgctat atatatatat atatggatat 420
atgtatatat atatat 436

<210> 10327
<211> 413

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10327

tactaagctg gattccttta gtagggaatc taccctacct aagatggagc ataaccacgt 60
cacnctcatt aagaattagc tctttccttc ctctatagcc tttatttgaa tacacctttg 120
tttggttctt aaccctctca tgccacttct ttaccaactc tgacctagat tccccttctt 180
tatgtataaa agaagtgtct agtgggaagg gaatgaggtc taatggtgtt aggggattga 240
acccatagac aacctcaaaa ggggatggct tgggtggttct atgaaccccc atgtttagg 300
caaattctac ataaggaaga tactcattcc aaggttgctt ttcagaaaac cccttaanaa 360
gatggataaa gacctattca ctacctctcg ttgacaatca gtttgtggat gac 413

<210> 10328
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10328

agctagtgtc tntacttttt tgtnttagaa ggagattnta ttttattttt gaatacaaat 60
aacataaaat tttcacgaat tcaaacgtta aatcattcca aacataaaat aacattacat 120
taacttttaa cattacatta actttaaaac ttacattaac ttaaaacatt acattaactt 180
aaacagagtc gaaagaaata aaatttgcac caaatacgac aattaagtca tgctaatttt 240
gcgacaatga catattatct tccatttcga ttacatgctt actaaaaaca gctaaaattt 300
ctattggccc gaattttttc caatagttag aatgcactaa caccttcaac atgtcatcgt 360
tggtttccag ttcaataatt tcgaaattga taattttatc tgaatgctca tagtgacttg 420
gtcgtcaaaa aaacaatcgc tata 444

<210> 10329
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10329

tatactcatt gagaagtaca taagaactat aataatatgt cgaagagcat aataaaatnt 60
 atacatcaat aaagtcacat ccttcaattc tatactcagt ctaactttat gaacataata 120
 taatttatga attggtgaac acatcaaatt gtaagttcac atgattgaaa tattataatt 180
 caagtttaag aaataaagag tatcatttaa catattatta aattaaaaaa ggcaaatacg 240
 ttgaaaaaca taaaaaatta aatgttattc atgtcaccaa gtttaacaat aagaagtgtc 300
 ctgatcaaac caaacgagaa gccctcattt cacaaccttg atatcatgca ttaactataa 360
 ggccaatcaa tgaacgatcc ttgtctnnca tttctgatca ttaatcagtc aaaaaaacag 420
 tcaaataatt taagatatc anatacactt caattcatga acacaaagac 470

<210> 10330
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 10330
 agcttgagcc aaaatcctga ctcaccataa accttgaccc agggtgagaa tgtcaattct 60
 taccctcgga agcaaaaaaa aaggggagag ggaaaatttc caatcaaaga ggaagcacia 120
 aaggagagaa ggaaaatttc caatcaaagg aaaaaaagag aggaaggga attcccaatc 180
 aaagagtggg agaaagcaaa aagaaaagaa agaaaatttc caatcaaaga atgggagaaa 240
 gaaaaaagag aagaagaaag ggaagaaagt tcccgatcaa taaataataa tatgcagaaa 300
 ggtcttttga ccggacaata tctgaacaat acagaattgt caccaaataa ataaaaa 357

<210> 10331
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10331

tgtttgggtg agttagatat acccattctg ttntaagggt tttgcgatga tgtttgtgat 60
 gtttatatgc tgaaattgct gatggaaatc tgtagagac gaagggtaga actaacccaa 120
 cgtagaaaag tgagaatgtg atgttatgag tgaaaaaaa agagtgagac tttgagagtt 180
 ggaaggctaa gtctgaattc tgtggtaaat ggagggtaga gtgagttaat actagctcga 240
 aatgtcattt agaacatgtg agaaagggtt tgctgagcta gagagaaaaa caaatgacca 300

aagtgaacaa agagccattg ctagggcaaa tttgggtgtt gaagagtcaa attttgattt 360

gg 362

<210> 10332
<211> 447
<212> DNA
<213> Glycine max

<400> 10332

agcttgccta attaacctaa aattgagaga aaatgattat taaacactca aaatggaagt 60

actaagtatt tattacctat acttaataga aaatacttat aacactacaa aataaccata 120

aattgggaga ctttgataaa atttatacaa gttttataca caaaagttag tcgttttcac 180

cgactaacaa cttcccaaaa tttacagttt tgcttgtcct caagtgataa tgacatgtag 240

tgactatgta cagaggtgta tgcataaaaa attactgatt gcatgatgag aaagacgaag 300

caatgtgcac ctatcacttg tcttcacaaa atatgtagtt attcaaagag aagaataaaaa 360

tgtgaactga acaaatagat ggagttaggc ataagataaa tatcaaggaa agtagcttaa 420

acaatagtct cacagttatt cattaat 447

<210> 10333
<211> 251
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 10333

tatccttatg gcctgcctnc ggacttcacc ccccggtcca ccccggaaga tntaagccaa 60

gcccctactt tcgaggggca acatccacct tatgaagact atcccgggca agatgatggg 120

gaaggagata cccatcttgg cccctgctc cacctcaaag atctgtcccc acatgaacta 180

ccccaacga acatagtgcg ccataccccg gcctcaccca cacctttaa agaattctgtt 240

cccttcgagg a 251

<210> 10334
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10334

agctnttcgt cttcaataaa catggctcan agaaagaaaa caaatttccc aaaagggttat 60
caatattaaa tcttgggaata cataaatgaa gggagagtag tatattttga ttgagggtgtg 120
atTTTTaaat acatgccata tatacacatt atttatttct ttacatttct atTTTTtaa 180
ttaattatat catattattt atcatattta acattcaatt ctctgtgtgt gtatttgtat 240
gaaatacatg attcatgaat aattttcatt ttgattttta tgatcttctt tatatattat 300
tatataatta aagttagtta gtataataaa aaataaagac acacagacgt gataatgttt 360
gtatggtgtt ttgctaagat ttaataaata taaaatgagt gctctcttcc tacatnttga 420
gaccttttcg ttttcttttc taacacattt ttg 453

<210> 10335
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10335

ctagatcaaa atcttatgta gatgtggaag gtgataatgc tgaagttcan attaaacagg 60
aacagatctt aggctaagt tcaatgacca ataatttcac gccatgcaga gccaaacttca 120
tcagttccta aatgttatct cactcttgac aacaaaattt gttaagcaga aatatgttct 180
taaactgagc caattcaact caacatcatt acttaaaaat ctgaataata aaaccatggt 240
caagcacggc aaaagaatct cagntcctaa tagattcatc aaatatctca aatacattgt 300
tggccatgct atggtctagg tcactcaaat taccagctat gatcaaatg aaatgccaat 360
tcttatttcg attggagtgg tcacatgata ttacattatg tctaacttca 410

<210> 10336
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10336

agctngtcca attgctgaaa atgagactct gcatttgatg attctacggc gagaactttc 60
atatgtccag ctgaactggt agccttcact ctttgctgtc attagaaaag aaaaaaaaaa 120

gctccccctc tctctatctc tctctctttc tttttctcca ttgaagcatc ctttccaage 300
 ttcttatcca aagcacattc ttggtggcga aactccttct tccattgctt attccctagt 360
 agatggcgcc tgctctcacc tcttcttct 389

<210> 10339
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10339

agaaaattat tattgaacac acaaaataaa agtactaagt atttattacc tatacttaac 60
 agaaaatact tataatctta caaaataacc ataaattggg agagtttgat acaatttata 120
 caagttttat acacaaaagt tagtcatttt caccgactaa gaagtcccc aaatttacag 180
 ttttgcttgt cctcaagcaa aaagagaaca actcacttgt cctcaagtga caatgacatg 240
 cagtgactat gtacaaagggt gtatgctaca aagtgactga ttgcatgata agagaatgga 300
 gtaaaatgcc ctcatcactt gtctttcaca aggtatgcag ttatncaaag agaagaataa 360
 aatgtaacct gaacagatag atg 383

<210> 10340
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10340

acatcagcta catatagtgg cgagatacag tctattagtg agggacagcc ctcacccta 60
 tagctagctt tttgtgtcga ggtaggcata aactccatct atgaatcttc cacgggtatta 120
 gaagtatatc taagcttaat acatacggcc agcctcatta gttatccacg caccacgcct 180
 aagaagtgct gggcgagann gantgtgttg ggattaatct gagcactcac ttgactaaaa 240
 tcaaacgtgt gaagtataga gtatgtgcac cctcggcctt agctactatc ggagtcagag 300
 ctgtctgact gcattgtaca atataagact tgccttagga tcacatagaa ggcatatcct 360
 catattttca gaatgttact ttctttcttg ccttataggc aaaacggtgg cctctg 416

<210> 10341
 <211> 78
 <212> DNA
 <213> Glycine max

<400> 10341

ctaagcttgt agagatctgc tgaccattca cgaacaagca tgaacgcacg tcgatcgcgt 60
 gtacgatata ctctccac 78

<210> 10342
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10342

agctgggacg aatctgaacc taagtttctg atgtgtgtcc actaaaaacc agacactatc 60
 ctactttntc tttcccttcc tctctctctc tctcaaatcc aacgatccca gcctctcttc 120
 cttctcttcc tctacccttc gcagtctcta tttctactcc gaacccttct tgccttggcc 180
 cctctctctc acctccatga caacctcgat gacaagtggc tcgccttccc ctctttctct 240
 ctccctccaa atctaggact ccaacaatga cttctctctc atcaagtccg gccttccacc 300
 tctctgggtg gctcaaccct gacactgtgc accactgtct cttctctccg tggatgcctc 360
 tacatcgata accgatttgc cga 383

<210> 10343
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10343

tgactgactt ctactcatag atccattcta gtgctcatgg tgatcctnct catcattacc 60
 ttctgaagag aaagaagtga tcatcaagtc ttaaaagtgg attgaaagag tatcaaagat 120
 atctttgagg atataacagt gacaaggcgt agtctagaag aacaaatcat atagaaaaat 180
 cttcagctaa tcatgtaaag acattgtgag tgcattaata gaacaataaa tggatgacca 240
 tttcacttgc agtgtatcat caaatactat agtgtatcta tattagtcta actcacacca 300
 aggttttaaaa tactttgtag tatctacaaa ctcatctcat gccggaagaa aactttccat 360

ttgaaaaagc agatttttgt gcctcatcat atgaaacctt ntgcaaaaca ttccaggaaa 420
cata 424

<210> 10344
<211> 418
<212> DNA
<213> Glycine max

<400> 10344

agctaggatt tcctcttatt agggaatcta tccttcctac gatggagcca aatccagtcc 60
cccacattaa gaactagctc ctttcttctt ctattgtctt tagttgcata caccttttgtt 120
tgggtctcta tttgggtaac cctctcatcc agctccttta caaactttga cctagattcc 180
ccttctttat gtataaaaga agtgtcaagt gggaggggaa ttaggtctaa ggatgttaga 240
ggattgaacc tatagacaac ctcaaaaggg gattgcttgg tagttctatg aaccccccttg 300
ttgtaggcaa attctacatg aggaagatac tcactctcaag acatatgggt gcctttcaga 360
agagccctta taatgggtgga taaagaccta ttcactacct ttgtttgccc atcatttg 418

<210> 10345
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10345

atcaggatat gactcttcac aattgatntt gaatttcaac gtttagatac actggtaatc 60
gattaccaat atcttgaat cgattacacc attttgaaat caattggaac attacaaatt 120
cagttgaaaa cttttgaaat caaactttgc aactggtaat cgattaccag agagtaaaaa 180
ctctggtaac ttagaaaatt gtgaaaaaaa ctcttttgaa aaacaaaatt gtgctatgtt 240
tgtttttctga aaaatatntt caatacttcc cttgtgaagt cttcttgatt tcttctcttg 300
aatcttgaat tcacttctc ttgaattntg aaatcaaact tctcttgatt cttgaaacat 360
gttgactcaa tcttgaaatc attctcttgg gccttttgtc atcatctntg ttatcaccaa 420
aactacttga atcaacttga ttcactcatca tgaagctngc tctctacaac taagtcatca 480
tttt 484

<210> 10346
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10346

agcttcctt ggttcttggg caaaaaactg aatctgatct tatcaagaca acttgtggca 60
 atcaaatac tcaattatca ctacattctt cacctatttc ttgagtgtgg catcaatata 120
 cttcccttaa aaaaaagcta aaccaatttc taaatctgaa ttcttcaagg tgattcatcc 180
 cattttcgtg tttgtatcaa gatattctggc atactccctg gaggggtggag gatcatagcc 240
 ttggacagct agggcttcag ggtcaactac cacttgcctc tcaaactcaa cttcttcaat 300
 gatagggtgc acttgatatg tcaagatgaa tcttgagtaa ggaagatgca tgatgaanaa 360
 gaaggcgtga tcaaataaaa taaagaactc ttgaatcaat gggcaaacca tgttgaaagg 420
 agtgttntga gtgaaac 437

<210> 10347
 <211> 528
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10347

tgctattatg tgacactatg aaactcagct ataattaaga atttcacata tatttgagtt 60
 ccttacattc caccctaaaga ttatgtttac tcatnttgag gtcttcataa tctttgtatg 120
 tttgtgcaca ttctctccat aaattatttc tctttttgtt ttgataatca ctttaattcat 180
 tcagatcctt cagatctttt tgaagatctt tcatnttatt ttccaactcc tgaaagttct 240
 taagaagagt aactttttcc ctagcagttg tctcaattnt aagatatagc ttggactctc 300
 tttctttaag agttatacaa gctccatag tttgagtggg ctcatgtagt gaaatatcta 360
 cttgatcctg aaggatcttc tctagttcta aatgatcttt ggatatatat ttgaaatctt 420
 ttcacaagtt cttgtaagct tttaaaagaa tagataagtt agacaaaagn tcatgataat 480
 cctttctaag agacttacgg tcatcaaagt ttacctcacc ttcttgat 528

<210> 10348

<211> 444
 <212> DNA
 <213> Glycine max

<400> 10348

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agcttggacg aataaggtga tgcatttatg aaacacaaca actaacaagt atgaaaattg 60
taaatatata ttgggttttag gggtttacaca cgaatggata aaaataattg tttgtgtttt 120
acaaatgcag ggttaagttt gcacattggg ccttaaagag actactaccg aatagccttg 180
gagacctatg tagtgtttga gaagccatga acaatatgat cactctacaa catattgaaa 240
ttaaggcatc gtttgagaca actacacatg tggttgggca tgttttttaa gttaccttat 300
acaagaaact atttggcatg gtatcaaggt atgtgttaaa ccagattgtt gctgagttcg 360
agcatgtaaa ttatgctagc attgatagtt ctcatatag atatataatg agaactactc 420
acggtcttcc atgtgcacgt gagg                                     444
  
```

<210> 10349
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10349

```

tccatcaagt ggtaatcaga gcacaagagc ttcaagtagg tgctccttaa acctccatta 60
attnttttgc ttaccttct cttccattgt tgtttcttca tttttctcca tgtatctcct 120
cacatgtcta gtgctaaatg ttgttaacat gattcttttag aatttccacc aattaaaata 180
gctatagaag ctagatttaa ttntctatgg ttcaaatttc ttgttcatgt tcttgaacca 240
tgagtttgtt tgagtttacg ttcctttgag ttttgtcttg ctatttttct gtggctgaaa 300
cctaacacat aaaattctta caaaaatatt aaagtagaag aaaacctcac aaatctagag 360
tgacttggtc acctgttgta gctctgtcat agaagtcatt tctagtcatt aaactcgtca 420
cataagaatt cttatgctgt gctgaattta ttttcttggg tctttgctaa ctcatnngtc 480
atgagtgtta                                     489
  
```

<210> 10350
 <211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10350

ttttttctgc atattattaa acttctatat tacttanttc tcgccgggat gttgttctct 60
 gcccgactc aatccctgag ctgcacttga aggttttatt gctgataaaa ttgggaataa 120
 aaagatgggg tacctaattg aaggaataat agacaaacaa ttgatctttg attgggggtat 180
 aacactactt tctttcttct aagatacaac gaggggttct catgctcttc tttttaaaca 240
 taggatctcc ttcgttaagc ttccttgtaa aaactccctt gtaaagcttc tttgaaaaac 300
 tttccttgaa aggctgattt tattttcaac ccccccggtt aataacttaa ctacactcct 360
 gtggaacttt gttaagaaat ttctaaggaa gctgagttta cctcacatac tcctttaata 420
 cttaacttac ctctgaaaa aaaactaaaa cttacttcca ccccttttt gtgtaccttc 480
 cccgtgacta aacatgaaaa ttataaaatn 510

<210> 10351
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 10351

accctgcttc ttggacaaaa tcttctttta aggtaaacac aaaatgtgat ttgcaagtga 60
 ataacatgtg tgaggcattc aacaatgtaa taatggagta tagagataag ccaattatta 120
 cactattgga gggaatccga ttttacataa gctctataat tgtcaagtta aggactatcc 180
 tcatcacgta tgatgggttc atctatccaa aagctcagca aatcattgat aaatataaaa 240
 aagcatgtga agcatggcgg gcacattggc gtgggtgatgt tgatttgtct ttatttgagg 300
 tgtcaaaggg catggaaaaa tttgttgtca atcttaaaca atagacatat tatagaaagt 360
 gggagttaac tagaaattca tgcactcatt ccataccatg catgtggatc aatagt 416

<210> 10352
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10352

agcttcaacc aaggagagat ggaccatttc aagtgcttga aagaatcaat gacaatgctt 60

acaaagttga gctgcccggg gagtataatg ttagttccac cttcaatgtc tcagacttat 120
ctctttttga tgcagatgga gaatccgatt tgaggacaaa tcctttctcaa gagggagaga 180
atgatgagga catgaccaag aacaaggga aggatccact tgaaggactt ggaggaccta 240
tgacaagggc tagaacaagg aaagccaagg aagctcttca acaagtgttg tccatactat 300
ntgaatacaa acccaagttt caaggagaaa agtccaaggt tgtgagttgt atcatggccc 360
acatggagga ggactaaatg gcaccactct gtctcaattt tagagtgggt aatnngtcta 420
aataatggcc caatccttgt aaagttggca gacaaaaaat atgttt 466

<210> 10353
<211> 421
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10353

cttacaacag caagcccaa gagactcagc ataaggatgc acagaccaa gttgcgtatg 60
taaaaaaatt gtatgaccaa gtgaagggtc aaattgcaaa gaagaatgaa agctatgcca 120
agcaagccca aaagaaaagg aaggaagtgg tacttgaacc cggatgatgat cttggacatt 180
tgaggacaaa tgttttccaa gaaggaggga atgatgagaa tcatgaaaca ggccaaatac 240
agtctaaagg cccaagtga gaaggacgaa ngccaagtg gagaaggaca aagcccccgga 300
gtggagaagg atgaangccc aagtggagaa ggatgaangc ccanaggcag agacactatc 360
aagactatta attgatgctg aaggccaaga ataattngaa ggcccataat aaatatgttc 420
t 421

<210> 10354
<211> 433
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10354

agctnngtct tgattntntt gaagttcttt aaaaacctta gaacaatata cttgtccttc 60
atttaattgt ctttgggctt ggcgaccacg atcaacaaag tattttcgac acctactata 120
tgtggatttt cccaaagctg ttatcggtag gttgcgacaa tccttcaata ccttatcaac 180

acattctgag aggttggtcg tcatgtgacc atatctacat ctttctttat cataagtcac 240
gctccattnt tcctttgaaa tgcgatcaat ccatgtacat atggctggac tcaatngact 300
aaacttttct aaattatggt caaaggtatg tttgcaagga gtgtatgctg catcaaaagg 360
gtttgttagc aacaacaatc tgaagtatat gtcaaacata actaacatca tattataaaa 420
taaattcttac cca 433

<210> 10355
<211> 450
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10355

taaccaccaa gtagaaacta tacctcacag ttaaccact tggcagaagt aacaaggctt 60
aaccatcaag agcagaagcc aaaacaatgc ttaacaactc aagacagaag taaaacaaca 120
atccaatgct taaccatcca tgacaaaagc tcaacaatg cttaatcacc atggacaaaa 180
gatcacatca acataaaagca agaagaacat aaaatatgtc tttagtgagg actttttcaca 240
aatactttgt gaagtagcag caaccaaggc ttaaccatcc atgatagaaa ctaaaaacaa 300
tacttaacca ccatgaacag aagcaaacaa atgaacaatg cttaacaatc acacatggta 360
gaaactaaaa tcatcaaaac aagcctaana ggctgaanac aataagccaa cacggggccaa 420
atatcaacan aataatgaaa aagatattca 450

<210> 10356
<211> 554
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10356

tctcccttgt accgctcggt actctttccn tanttcatca ttaanntctt ntnttttnnn 60
nnnnngggcgg cgcgcgtggt gtgncttgga accttttata aggagaccta taaaccacac 120
agcgcgcgtg gtacccgcaa ctgtgagaga agtgattttc tacacacaca atcgaaaggc 180
tgagcgtca ttttctattc ttaacacaaa atactcataa cgctccacaa taaccataaa 240
tagcagaaga ttgatacact tatacaaggt gtatacacia aagatagtcg tttttactga 300

ctaacagtca tatgctcgct ttcaacactt caatggagtc gataagacta ttaaagcttc 360
 ttgacctca agacaatcaa tgcgctggac cagatacaaa aatggctgat gccctttgga 420
 aagatcttgg tttcatgaaa cattatagat atttgctttt agaaacaagg tgggggagca 480
 aacaaaacgc attgcatttg aaactaatgc ttggaaaaaa aaattttttc ttctaacaaa 540
 agatgtgatg caac 554

<210> 10357
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10357

agcttcgaaa tgaatgttga agctctgagt aaattcaaac gacaatatac ttttactcag 60
 atgtccgatt gagtccgtga atatatcgaa aagctcgaaa ttgaatgtag aagctctgag 120
 caaattcaaa caacaataac tttttactcg gatgtctgat tgagtcccg aatgtatcga 180
 aatgctcgaa atggaatacc gaagccctga gcaaattcaa atgacaataa ctttttactc 240
 ggatgtctga ttgagtcccg taatatatcg agatgctcga aatggaatac cgaagccctg 300
 agcaaattca aacgacagta actntttact cggatgtctg attgagtccc gtaatatatc 360
 gaaaagc 367

<210> 10358
 <211> 137
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10358

tccgtattcc atntcgagcg ttcggatata ttacgggact caatcgtaaa tccgagtaaa 60
 aagttactgt cgtgtgaatc tgcttagagc ttccggcattc catttcgagc gttcggatat 120
 attactggac tcaatca 137

<210> 10359
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10359

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agcttacaag atatgcactc atagccccctt tatatatgaa cagagtgata ggggtccaaaa 60
gaacattaga tcttggccta ccataaggaa gtacgtgaat atcttttctt gcaagcactc 120
tgatgatggt tgtggtaaca aagcttgcca tacctataaa agaggagacg atatcttgaa 180
ttgtttgata gcaaaacaac aatgcttatc tcggcgggtg aggtcggcta catggataac 240
atgatgtcat tttgttcggt taaaaattac agtctcaaaa atattattta gtataagatc 300
tctttttgac aacttgtttg caaagtcttt ctgtagtcca attaggctcg caatggctcg 360
ttattctttt attgctntgt atgggggatc ttcttgatg tatcat 406
```

<210> 10360
 <211> 537
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10360

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tgcctccggg tgtctctaca tcgacctcag atactaagct gccctgcaag tgtgcctcag 60
gctgtggacg ctgataggct tcaagctact gttggtgatt cagagtggct gcaaccctgt 120
gttgaagcaa atgtcttctg agttcttgaa aatgtgcagt ctgaattact caactagcat 180
cttggtttcc aagtgtatgc tcaccacaac aatacaatga aagactagag agatattggt 240
atagcttcat catattcagt cacaatggat tcatatgttt atgaattnta tattattccc 300
tctcttatgt ctatttataa atgttgagaa actgcaaaga aattcaacgc tcatgatata 360
tatatatata tatatatata tatatatata tctatatata tatatatata tanccacata 420
tatatctatc tatattagat agagatatag atatatatac cgagnaccga ttgcccacg 480
aattcttgta tgaatcgcg c ttgtgagtat tanogataaa tattctatag tgccccg 537
```

<210> 10361
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10361

agcttgtaga gntaagtatc gtatcggttt aatcgattac cgatatctca taatctatta 60
 cactattggt tgagacaatg actgatttat ttaggagtct ttgctttaat cgattaccaa 120
 gtggattaat caattacttc tatctcgttc aagtgttctg ggggtgaacaa gaacacttta 180
 atcaattact taggttatct aatcgattac attgttcttg agttgttttc tagatgttgg 240
 aagaacattt taatcgatta ctttgtgaaa ataattgatt actttataga tctaactgat 300
 tacagacggt tataactggt ttctctataa ataaccatct tgtgttcaca tctacacatc 360
 aagagateat tacagaatac tcaatacatc tcaaanacaa ctttctagcc ttagaataag 420
 caagatttcg tgctttcatt agtggataag agaagaga 458

<210> 10362
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10362

cacctttggc aaggccacta acaacttcac cagtcaccag cacggacttc attntttttc 60
 tctatgtctt cttattcctc gctctcttcg atgacaaaca gagcagagca gagcaacctt 120
 tttcaacagg agaaaatggt ttctatgttc tagtttttagc tttttgggtt accttttggc 180
 ttttgcattc aaagagagag cacaacaac acagaatctt gggtttgcag cgaacatatg 240
 cagagttgca aagaagcaga gtttgaagaa acaggaggga aagtagaatg gaatggcaac 300
 caatgctacc attggttggc tntatatact aagtattctg gctctgattc caaggatgag 360
 acatgataca gatgagagag agagaaagaa ag 392

<210> 10363
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10363

atcctacagc aatctcacca aaccaagttg gtgcatataa ttggggatgg aagctccaca 60
 caagtgcaag atcatgcaat cctacaagga agatagcgat cttacaacc tttcccaata 120
 tagaaactag aaagaaagaa agaaatgaaa acaatcttgt ctttttggat acagactttt 180

attcatagca ttgcatgggc atcttcacta ggcaaacatt aaaaactata aaatggatga 240
ccagctcaaa aaattatggc agcagaggaa tgtagaacat ctagagatga acacaagttg 300
tctggccaag tagaacctaa tgaaatgatg ctttccaata ctaagggttaa aactttccaa 360
agtaccttcc cacaattaat gctgaanagg tggtaaccgt agatcaatnt actcataaac 420
cagcatgaaa ga 432

<210> 10364
<211> 444
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10364

agctntagtc aaacagaata atccgaaaat gtcaaagaat tgggtggtga anaagcataa 60
caagactttt tgtgattggc ttaaagatac aatctttgca gatgagaatg attcagaaac 120
attaagaaag ctagcagatg ggcctaaaag aaatgttata acctggcaag gatacgacat 180
aaacaagtat tcattttaca caaaagcaca agatgacaaa agtacaatgc agaacagcgg 240
ggtcacccta aggcctgaat ctcaacactt tgcaagtgtc aatgacgcca atccctgtgt 300
agcttccatc cttactttg ggttcattga tgaaatttgn gagcttaact atgtgaaatt 360
tacggtatgt gttttcaaat gtaaatgggt tgacagcaac accggtgtgc gcaccgatga 420
tatanngatt atgttggtag acct 444

<210> 10365
<211> 328
<212> DNA
<213> Glycine max
<400> 10365

ctgcatgtca agctttgcac aagacctatg ggaagaattg ggatctagct atgatagatg 60
tttctattga agccattgca gccctcactc agtattacga tcagccacta agatgcttta 120
tgtttgggga ctctcagtta gtaccaaccg tggaggagtt tgaagagatc ttgggatgcc 180
tgctacgagg aagaaaacca tatctttttt ctgggttcta tccttccatg gcgagaatag 240
ccaaggtagt caaaatctcg gtgcaagaat tggaccgagt aaagcaaaat agaaatggcg 300
tggtcggaat accgacgaag cacttgga 328

<210> 10366
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10366

agcttcgctc acactccaga catctttctca aagatcccaa cggttaggta gtggacaagt 60
 gtcttgtgaa gttgcatacc aaatttcgag aagatccaac ggttaacgaa ggctgggaag 120
 cgtttttacc gagacagctc atgtagcttc ctcaagaagc ttcattaaga ggcttcctca 180
 agaagcttcc tcaagaagct tctcgtggc ttctttgaga agctntctca agaggcttct 240
 ttgagaagct agatccttat ctaccacac cctctatta actaaattaa cctccttgaa 300
 aataattacg gataaaataa cataacaaat acaatcaaac atcaaacata attattaata 360
 tatatatata tatatatata tatatatata tatatatata tcagggtgtt acaggaccaa 420
 tacaaaacaa tgtcattgaa gatgagctca aac 453

<210> 10367
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10367

tatgagaatt ccaagctnta taagcaaana gtaaaaattt atcatgacaa anagctatca 60
 aaaaggaatt ntccacctgg tcaataggta ttgttattta attctcgatt aagattgttt 120
 ccaggtaaga tgaaatccaa gtggtttgga ccattcatca tcaaagaatt tatgccacat 180
 gaagcagtga tactagagga tccaaccacc aaaaggacat ggactatgaa tggtagtagg 240
 atcaaacact acctatgtgg agattttgag aggataatca ttgttgtcca tctacaagag 300
 acttgaacca caacaaagat gttcagctag aaagacgtta aagaagcgct cctaggaggc 360
 aacctagtat ttctaaacct tactctttaa ttntcttttt gttaaatttc atatntgtgt 420
 tatttaaata ttttttggtt aaaatatgtc taaa 454

<210> 10368
 <211> 370

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10368

acatttggaa agttagttnt accagaggga cattactctt aaagcaaaaa tggcatataa 60
cctcctccca tcaatgtaaa tttagggcaa gcttatgccc atatttcctt acaaacgttc 120
tcttgacaaa gacattctat ttaccgaaga aaaatgcacc catatacaat caaggcagct 180
tcggtaccta gattatttac acgtacttcc aagggtgtata ttgtacttac atcacacaca 240
ctctcttggc taaattcaca tacatgcata ctcaaagcat tttgtggtac cacaaaatgg 300
acatgtgcac atcttgggat ttgtaataac tatacatata caaacttgat gatgaatctn 360
gactatctac 370

<210> 10369
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10369

tcaagagaag ggcaaactcn cttccaaaat ctgatgtcat gcttaaatat gtnggcttgt 60
tcatgctcgt gcgcttagtg caattctgaa ctgcttagcg cgcattagtg aatttcggct 120
tagcgcggct tttctcactc agcggatgga ttgaagcagt gcgcttagca ggatgaccct 180
tcgctcaagg aacatgcaca actcatcctt cttccagatt cttcctcgcg cttagccgac 240
gattattgcy ctcagcgggt ggctcgctaa gccaatattgt tggcttagcg agaggggtgaa 300
aatcaacact tcaaaacttg cctaattaac ctgaaattaa gagaaaatga ttattaaaca 360
cacaaaatgg aagtactaag tatttcttac ctatctntac tcanaagaag atataacact 420
acagaataac catgaattgg agggagttga tacnaattac acaacgtnta tacacaacaa 480
gtagtcgtat tcatcga 497

<210> 10370
<211> 421
<212> DNA
<213> Glycine max

<400> 10370

tgggcttatac aaaagctgat tcagctggaa gctctaacac ctgcattagc gagggccaag 60
 ttagggggcac ccatggggcaa gaggcttata actgttttct ggagctctga aagttctagg 120
 taccatctta tcaacatata gtgttccatc caggcgatca cactcatgtt gtaaaatcog 180
 ggccctgccaa ccagttgcat ttattttgat gggttcaccg taacgatcaa aacctgcaac 240
 ctcaacatcg aggtaccgct ctaccacagc actatatcca ggaacactgc acaatgttat 300
 taaagatgag aatgtttctt gacacattat tatcacataa acacaaatat aaagcgatcc 360
 agagctggta tgctataaat tatgacaaca ccgctgaata gctgctacct taacaataat 420
 t 421

<210> 10371
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10371

tgctaagcgc gcnttttcat caatccagaa ttactttctt ctttgttggt acacccaaaac 60
 tctacccaaa tacaatttaa actaatttaa cttcaatgaa ctaaaaaaaa attaaaaata 120
 ttaatttata acttattgag aacaaattaa gcaataaatg aagaanatta agataattgt 180
 tgtacaaatt caataaaaaa aaaactaaac atacacaaca attatcttct cccaactttg 240
 gccattataa ttcgtaacat gattatttca ttatgtaatg tggttaattaa tttgttaaca 300
 atagattcta ggtaatttag agacaaagta aaattataaa tgttcctgaa atttcttttc 360
 taaccataac tctcatg 377

<210> 10372
 <211> 388
 <212> DNA
 <213> Glycine max
 <400> 10372

agctagagct ctccctttct ctctatatta tatatttact atccattctt tctttcaccc 60
 ctcagttgtg aagccctcaa tggccatgag tggataatac cctagtaagg gcctggcggg 120
 cctaaaaagc caacgatgta tgggtgcactt caagagttat caatgcagag aggattcctt 180

ccaggatttt attggaacaa gtggccttgg aataattaag aggggggggg gggatgtaat 240
 cacaactgaa tgagctgagt cagcacattc agatattcag taaggaaaag cagttaacaa 300
 tagttgctcc ttcctctgta taaataccta tgtaataaat gaacgaaaat ctttttctct 360
 ttctcttaat ttgtataaac aattctct 388

<210> 10373
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10373

agtgcanaata acatctatga atggaatata gatgccccaa tggagtacaa tatcatgaat 60
 aactccaac atatgactat ggtagccatg acatactaga catcccatga gtgttctaag 120
 gaaacaatca tcgatatcct agtggcagga tttttcgggc aattaaaagg atggtggaat 180
 aattatctca ctaatgatga aaaataaaaa atttacagtg cagtcaaaac ggatctcaat 240
 ggaaaagtca ttaccaatga cgataataaa gagattcttg aactgttaa tacacttatt 300
 ttacaatag cccaacactc tattggtgac ccatcccttt ggaaggatag gtccgcgaaa 360
 ttattatcaa atcttaattg 380

<210> 10374
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10374

agctntatct tcttcataag ggattcaagc tcatgctcga gaagccttcc aggtcaagtt 60
 ataggatata tggttagagg aacatcttca tctttgtcaa gcagtaactc cttgcctttg 120
 tgtaacattt agccttttgg aacaaaacaa gcttatctat tgctattcag aactaagtgt 180
 ttggagtggc taagcaagaa aattgtgatc ctagcatgaa aggcagacaa gtgttgatcc 240
 tttctattct tgtcaaaaat tctgtcttga tatggtttct tatcttctgt gtaggtagat 300
 aacttcattc ttagcttaag ttcatagttt gactgctcat agtctttgag actctttctc 360
 tctttatgtg ccttcagatt gatgtctgta gtttggaagg tctctccaaa caaagtttga 420

toccaaaggaa gaacaaaatt gacggaacac aggtgactca tc 462

<210> 10375
<211> 194
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10375

cgttcacgtg tcctccatct tcgagtttgt tgccatgcgt agtgattgct taaggcaatt 60
ctccattctc aaccctttnt cggagcccca tgaatagcgt tctcgttcat gtgtcttcca 120
ccttctagtt tggagccatg cgcagagatt gcttagtgca attcttcatt ctgaaccctt 180
ttttctgaac ccca 194

<210> 10376
<211> 200
<212> DNA
<213> Glycine max

<400> 10376

gaaactgaaa ttgttggcaa ccaaaagtca cccccaacag ccaacaagtc agccaccatt 60
tggtctccca aaaggtgat gcctaggttg ccaattgggc ccttattaca acttgaacta 120
aagccctttt agttgattaa cccaaaacat atttttgggc agccaacttt acaaggattg 180
ggccattatt tagacaaact 200

<210> 10377
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10377

ctcaagcttg agtaaataaa acgacaataa ctntttactc ggatgtccga ttgagtcccg 60
taatatatcg agacgctcgt aattganaac agaaactctg agcatattcg aacgacaata 120
acttttgact cagatgtccg cttgtgtccc ttagtatatc gagacgctcg taatagaaaa 180
cggaagctct aagaaaaatc aaacgacaat aactnttaac tcggatgttg gatagagccc 240
cgtaatatat cgagacgctc gaaattgaaa acagaagctc tgagcaaatt caaacgacaa 300

taacttttga ttcggatgtc tgattgagtc ccataatatg tgcgagacgct cgaaattgaa 360
aacagaagct ctgagcaaaa ttaaacgaca ataacttttt actcgga 407

<210> 10378
<211> 451
<212> DNA
<213> Glycine max

<400> 10378

agcttccatc aagaagatag agattagcta cacatacctc tctaatagct aagctcacct 60
ccttgagatg aaaagctaga tcttagctac acacccccta taatagctaa gctcaccccc 120
atgacaaaaa aacatgaaaa tacaaaaaaa aagtctttac tacaaagact actcaaaatg 180
ccccgaaata caaggctaaa accctatact actagaatgg ccaaaataca tggcccaaac 240
gaaggaaaaa cctattctaa tatatacaaa ggtaagcggg ctcatactta gcccatgggc 300
tcaaaatata ccctaaggct catgagaacc ctagggcctt cccttggatc tttagcccaa 360
tctacttgga gtcttctacc caatgccctt gcgggatagg attacatcat acttgcccca 420
agaaccatct aaagatgtat tgtcggaaga t 451

<210> 10379
<211> 276
<212> DNA
<213> Glycine max

<400> 10379

taactggagg gcgacttatg aatatgatta atattttctg tgcattatta gatggaaaca 60
tcattctgtta tagtgggtaca ataatgacgt gttacatgct attcttatta tttgctagta 120
gaagatgcta aaatcgatta gaggattggt aaaaataatt tgtcaagcta ttaatagata 180
gaaaatgtgc gtgtaaaaat attgatttgg tcaaaattaa aaaggatatt gtaatattaa 240
atcatgaact tccattttaa catgtattgt cttagg 276

<210> 10380
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10380

agcttgctgc ccagctcgcc caggcgagca aggttgcttc ctccagaagc aacagccttc 60
 tgggtggaatc ttctggagcg cccaagtggg cctagttgct atttgcaccc ccattttttac 120
 taaatacacc cccctgcccc tttttttgta attctttttc cgtaacgtta cgaaacttta 180
 cgaatttcgt aaggatactt attttccttc tgcaaggtta cgaatcctta cggattatgt 240
 atttactctt ttttagcttt cgaagaagtt acggaaaccc acagattgtg caaaaacacc 300
 tctttttgac ttccgccaca ttacggaatt tcacggatcg cacaagcctg cttccttttg 360
 atttctgaca cgtctctaga cttcatttat tgtgcaacan aggacgcaa gtatctcana 420
 ggggctaacc aaaggttgca tgtcatcaag taataatccc cgga 464

<210> 10381
 <211> 486
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10381

taaaccacag caacacaaaa tctatgtgtc caaaacccct caattcaata cgttntctag 60
 gtttgaaaag tgaaatctag aatgggggtaa atttgaagca aactctcacc tgacacaagt 120
 ccataacatc aatctaaact ctctcaaact gaatttacac ctaacattcc accaaatcaa 180
 aatttgactc ttcaacaccc aattttgccc tagaaatggc tcttggttca cnttggtcat 240
 ntgcttttct ctctagctca gctaacctt tctcacatgt tctaaatgac atttcaagct 300
 agtattaact cactttaacc tccatgtacc acagaattca gacttagtcc ttcaactctc 360
 aagcctcact cnttttccac tcacaacatc acattctcac tttctaaccc taggttaatt 420
 ctacccttca tctctaacag agtctcatca gcaatttcag catataaaca tcacagacat 480
 catcac 486

<210> 10382
 <211> 441
 <212> DNA
 <213> Glycine max
 <400> 10382

agcttgcttc tcaatctccc tcttggtgat gatgacaact ctgaaatcaa gaaacacata 60

cacattcttt ttcttagtgc atcactcact tgattcttca tattctcccc ctttgttttc 120
 tagtttaacc ttctcttgaa attaagatat ttaattatgt gaattcttga tttaatccct 180
 attttctctc acccattggc atcaacaaaa agccaaagtgc cgtaagacat aaaaacatac 240
 ataaatgatt aatcactcat aagacattca ttgaaaaatt taaaataatc atgaagcaag 300
 aaacatgaat agaccacata tgagaaccac atagtcatat aacataattc ataattgttc 360
 agtcatacta tgcaaatata agatatacta catgttcaaa tgtcataata atatagccaa 420
 atacacgact agaaatcaaa g 441

<210> 10383
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10383

agaaattcat gaagggtgctc taatgtctga aatctatggg attaagatgg tcattgacca 60
 atccctattn tatgatttaa caaaatttcc tagtgaagggt gtaccttttg aggggtgcact 120
 gattgatgaa tggaattcgc atttctctgt gcatgatgcc cgccgggttg tttgcaccaa 180
 ccaagcggat atgaccggaa ggcttcttgc cggttcattg gcttttgaaa gtgcgcatcct 240
 ccattacctt atagtttgca ttntgcttcc tagatcttca aaccttgccct aggttttctaa 300
 agaagatctc attgtcatgt gggcctttca taaagggtta caaatcgatt gggcacatct 360
 tggtagatat tgcattgata aggcattngcg attgaatgcc acattgcctt atnctcatct 420
 nagtactctn tttcttcaac acttcaacat cctctttgat tctgaaccct atgttcaaat 480
 ca 482

<210> 10384
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10384

agcttggtta gatattttaa tgaagtagaa aaaagtgaga aaaatataaa tattataggt 60
 gataagaaga aaaacacaga aagaaatgat cagtattaat aaagtatttt aaaaaataa 120

aatatctaaa aatcattact cattaggtat tgccttttaa ctatatattg aaattcaaca 180
 cttntttggt gcttacggtg cacttggtgt gcttattaaa cagaagaatt aagaaagtat 240
 ttctttttct aggcctcatc ttgctaaaaa aatcaagaaa ttaaaaaata tttaataaga 300
 agtatacata tttaataaat taatttaatt taaaacataa aattagttgt tttttatttt 360
 ctatttgaat tattgacaag taaactaaca cgtagtagac gatagtcaat gctgtgagga 420
 agaagacgtg tgtggacaac ctt 443

<210> 10385
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10385

cgcncacgcy ctgtccatca ttagcgacct atgatactaa gctataccta agtggctctga 60
 taaattagac ccattactgg tttaattgta cggaaaaaat acgggggggaa gtgttttcaa 120
 tcacaaaaat ttatttaatt tggaggacat gggacacaat tgccaaataa ttaccaaaaa 180
 tcatgtttta acaaagagga atggcacttc gtttataaat taggagaaag gagaaaaact 240
 gcaatnggat gaataaatgg caaagtgcaa ctgacccttt tggcagctta caaattctca 300
 tcatctgcca tcatgtgtct tgctccaatg ttgatacatg gctcatgatc agcaaccaat 360
 gtcacttacc cccatgaact ctctttttaga agtttccagt acctgacata aatgttcgat 420
 gtcagtggct ttgcttgggtg acatgtgcat caaatctgag cttggggctta cgattgataa 480
 tacctgagat gaacattct 499

<210> 10386
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10386

agctntcgca aggcggngat gttcatgagc agatcagttc gttgccgtgt agtcatgatc 60
 tacataatgt cagatcatat tactttgtat gtatgacaaa aatgaaacca agatttttgg 120
 acctctcatt tatagttata caaggttgca tacctccatg cttgttccat ccttagctat 180

ctgttgtgat ggagcaaatt caacaatata atcagttaca gatagaagcc actcaatttc 240
 ttttctccac ctggcctttc tttctgagga cattggctcc agctttgatt gttctccgaa 300
 aacagatgct gcattgaatc aggaacaaca ttattgaatg gaaatttcat tgagacttga 360
 gagatcacat ctcatgtagt cacagttata atatgcatgt gctttgaatt gaattgagat 420
 gactacacta tctattaatt ntatagaaat ca 452

<210> 10387
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10387

ctaagctcta ctgtatagtt ctctcttaaa atttcagtct ttcggtttgt gtgtagctta 60
 atgcaggctt ttcaccccaa ttgctgctta ccttatttaa tgtgaatgga gttctncatt 120
 acggaattgc acggaatgca aatcctaaac tccagattgg agatgttact attcctcaat 180
 attgggcca cacaggactt tggcattggc aggtactatg ttggataata tattaatctt 240
 tatttgcttt ttctgaccat ttcctctct ctatatacag taacttgtga caacaaagga 300
 agttgaaatt aacttttttt ttctctatac acatgctctt atataatttc gatctagaat 360
 tatatganaa agaagaaatt tatatccatt ctaatggtac atgactttta aaccaatcac 420
 tatatatatg ccatacgtgt angaaccatt atacta 456

<210> 10388
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10388

agcttcttag tttcagatga tgctgatgag tttgtagcta cctcatgtac tcctctaattg 60
 actatagcat ctttctggc gctaaactgc tgggagttgg aaaccatctt ctcaattaaa 120
 tttctggctt tagcaagagt catgtctcca agggctccac cactggcagc atctatcata 180
 cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ctccgaaatc 240
 tgatggtgag ggcaactggc acataatttt ataaatctct cccagtattc atataggctc 300

tctccactga gttgtctaata acctgagata tccttcctga tggtcgtggt cctggaagca 360
ggaaattntt tttctaagaa tactccctta aggtcatccc aactgatgat ggaccttgga 420
gcaaggtaat acaaccagtc ttttgccact ccctctaaag aatg 464

<210> 10389
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10389

gaccacagag tggtagctgg agatatgtcg cggnggtcag gagaccttgn ggacgtcagg 60
tgggggtgcta ttgccccaaa ccaagcttga ccaatcccga cccaacccgg gcatagtcgg 120
tcagtgagaa cctgtgatgt acctaagcag gcgagctcct ggcagtcac agataaaagg 180
aaaacaagac cacaanacan ggaggcttgt ggtggctggc cagctcgtga atttgtgtaa 240
tatgtggatt gtggcctctg gtaatcgatt accaacggtg agtaatcgat tacaaggctt 300
aaaattg 307

<210> 10390
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10390

agctatanaa cctagtcgac attcttttcg ttgaanaaag tatttgcata gctgtaattgt 60
attcaatttt tccacctaac aatattgcag gttgacaaaa agagtaattt agaaagtact 120
cactcgaaag tgtctagcaa gatagattct caaaattagg ataggacaat aaatttgtcc 180
aaatatttat aaaaaaaaaa tgaattaaaa ttttctccta agttagaatt aacttgtaca 240
cttatttttt tttctcattt aatctttcta aaaactcaac tatgcacata agttgatttt 300
tgtttccgat agaaattcaa ttcatttcac ttttattata tttccttttc ctataaatat 360
atgtggagaa atttatttaa acatcacctc gatattttca gcttttagtt tcctccttgt 420
tgtattcata acaattacaa aggaaaacta tgaact 456

<210> 10391

<211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10391

tatgctgcan acatctacaa cagacctcct caacctcagc agcanaatca gccacaacag 60
 aataattatg acctctccag caactagtag aatccccgggt ggaggaatca tcccaacctt 120
 agatggtcga atccttcata acagcagcaa caacaacaac aaccttattt tcagaatgct 180
 gctgacccaa gcagaccata cgttcctcca ccaatccagc aacaacaaca gcaacagccc 240
 agaaacaaca aacagttgag gctcctccgc gaccttcctt tgaagaactt gtgaggcaaa 300
 tgactatgca aaacatgcag tttcaacaag agaccaaagc tntcattcag agcttaacta 360
 attagatgag acaattggct acataattaa atcaacaaca gtcctagaat tctgatagat 420
 taccttctca atctgtccag aatcccacaa atgtgagtgt cattacat 468

<210> 10392
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10392

agcttaggct aaactntcat aagctattta agctaagtct agtccaacaa gaaggatntg 60
 aggatgaagc ttagtttaag ttagtctaaa cctaggagggt ctgtctatat tgagcctagt 120
 ccaacaatag ggatctgagg aagaagcttg gattgattca ttccaattgg ggatcgagggt 180
 ttagtaattt aggtacaaac atagaacaca aaagcatgat tgattagaga aacatcctta 240
 tatgcatcag ctggtctgct agaaagaccc aacacttcta cctattgcta tcaattttac 300
 ttacttacat ttttactgggt tttatcctag acatagttta attctacttt aaaccatcaa 360
 ttatcaatgt ttctttcaac aatgccttat ttctgaattt aaccagctct tagactagtt 420
 tcattgagtt cgatactcag attcatccca ttttaatt 457

<210> 10393
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10393

```

ttctccctat ttctgtataa ataaggggag aggtgaaggg aaaaaatggt cagcccttct   60
ggtatttcga ggtcacttga aattagttaa aaaaattggt ttctgtgaaga aaatccaagt  120
tgaggcgctt ccgtaatggt tccgtgggtg atttcgcaat gattttcaac cgttcttcga  180
cgttctttgt cgttcttcgg tcttcaaccg gtaagttccc gaaatcgaac ttttcaatat  240
attttcggtt catttacttt ccgtaccccc ttttgacgtg ctttagtcat tttctgcct   300
aatcaaaaaa taaaataaat ttccactgat cacttgaatt gtaacatccg ttaatttctg   360
ttaaatagaa atccgaccgt tcggtcatgc cataaccacg ttggaaacca ataagaggta  420
aaataataat ataataataa aaaatatatt cttagttaat aaaacaaana aatcaatcgg   480
ac                                                                    482
  
```

<210> 10394
 <211> 387
 <212> DNA
 <213> Glycine max

```

<400>        10394
agcctcgcct cattgatggt ctctttcttt tttgttaata tcgctctcta atgaatcatg   60
taactcaaac aaagttcacg agaggctaata gtaaattact ccgaaactta tgaaattatc  120
atgtgtgcta ctccaaatgt cactcaatgc acctatattc ctccctttc tctcctcct   180
cctccacaaa tagttcacat ttgccaaata cttaaataac tttcactaat tcaattcatc   240
aaaattgtcc actgcaagca ttctagttct ctctcagaac taattcccga aatattgaac   300
cacgaaaaaa aaaaaacacc tctgaacata ttgctaagtg ctaacaatca tccacaagat   360
ggttttataat attatcatgc attaaat                                     387
  
```

<210> 10395
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10395

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cgatatntat ttattntaat ccaggaaca tactccattg tcagaatctg cattggaaaa   60
  
```

atagttaa at t gtagataaa tatgaaagat atcagaagta acaatgggaa agatgcataa 120
ctgctatatt attatctata tgaaaactga aggctaaacc tgtgggtgtgg tataatccca 180
gatgattgta gggactttca cataatccaa gttttcaaag ttacttgcaa atagttctgc 240
attagcagct tccttggtgt aatcaatctc ctgaaaattg caatacatgt tacattaaca 300
ggattagata aagttgagga tgtgaagaaa acacatgana acatcattct gaaacatgaa 360
caagatccac aaattaaccc ctccaaacct gcaaatttgc ttaagagntc ctttatacat 420
tggctaacct ataatacttg aaaagcaata atgttggttca acgcttagac aacgactgat 480
gacata 486

<210> 10396
<211> 392
<212> DNA
<213> Glycine max

<400> 10396
agcttgaaac gaggtcagga agctagggaa gcctctggta atcgattacc aaggggtgta 60
atcgattacc aggcttaaaa agggaaactgg gagatgggtgg aagcctctgg taatcgatta 120
ccagcctgtg taatcgatta cacagaggaa tgggtcactg gtaatcgatt accaggcatg 180
tgtaatcgat tacacagtgc attattgcat atttcatgtt ctgagactgt gtaattcaag 240
tttagcctct ggtaatcgat taccaaggct gtgtaatcga ttaccagaga tgaaaagcct 300
taagataccc cttttaatgt catgtagtgg ttatgagatg cattgtgcgg cggcatagtt 360
agattcttgt gaaagagtct acccctttct tt 392

<210> 10397
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10397

tccttaagaa gattcctaaa gaagctagag cttagctaca catacctctc taatagctaa 60
gtcacctcc ttaagatgag aagctagagc ttagctacac acccgtata atagctaagc 120
tcaactcccat gacaaaaaac atgaaaataa caaaaaaagt ccttattaca aagacaactc 180
anaatgcccc gaaatacaag gctaaaaccc tatactacta gaatggccaa aatacaaggc 240

ccaaatgaag gaaaaaccta ttctaataatt tacaaagata tgcggggtca tacttagccc 300
atggggtcga aatctaccct aagggtcatg agaaccctag ggccttttct tggatctcta 360
gcccaatcta cttggagact tctagc 386

<210> 10398
<211> 452
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10398

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acccttggtg agccctttct gtttctaagt tccatcttca aaggaactcg aggtacacaa 120
ggtctgtcct tgacgatctt ctttatctct agtttttata tgtctaggaa tacgagtata 180
tataaaaccc aaggtctgcc cttggtacag attcctccaa aaccaagggt ccacccttgg 240
tacgtactcc tgtaaaaccc aaggcatccc ctaggtccac tcaactcgag caaccatgac 300
gaccacaatc aaaggtctaa gttcaacaac acaaactacc accaaactat ttggcaaggc 360
ctttcaatca ggtggaagtc atacttgctc ctcanaacca tcagagaaga agcttcgcaa 420
gtcaaaacga cccatcacca aaatgagtga ca 452

<210> 10399
<211> 390
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10399

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atcacctggg tctaatactga gaaagcctat tcttccatat tgcgtgaaga atcatatgaa 180
acaagtcata cttaacagga actttgtgcc acangaagtg ctgctgaacc ttctttactc 240
ccaaatgcag tgccaggtag ttctcttctg ggatngagag aagtatgtct ctgagacttg 300
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gaggcacant aatatctgat atgataactg 390

<210> 10400
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 10400

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 tgggtacctgg agatatgtcg cggggggtcag gagaccttgg ggacgtcagg tgggggtgcta 120
 ttgccccaaa ccaagcttga ccaatcccgga cccaaccggg gcatagtcgg tcagtgagaa 180
 cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aacaaagacc 240
 acaaagcaag gaggcttgtg gtggctggcc agctgtgaaa cttgattgat atgtgagata 300
 tgggtctttgg taatcgatta ccaacggtgg gtaatcgatt acaaggctta aaaatgaaga 360
 caggggggcta agatgggtctc tggtaatcga tttaccagggt atg 403

<210> 10401
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10401

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 aagctgaacc taagagggag acaagtggag ataactgacc caatgtgtcc gctttgtaat 120
 aattccgagg aggatgcagc acacctcttc ttcagctgca gcaaggctcct ccccttgtgg 180
 tgggagtcac tttcatgggt taagtcagtg agtgctttcc ccaaagaacc caaataccat 240
 tttatgcagc atactatata gaacgctaca cgatcaaagg atatgagatg gagctgctgg 300
 tggatagccc tcacaaggac catatggcaa cacagaaaca agctgttatt tgataatcaa 360
 actnttaacg caaccaagct gatggatgaa gcacttcttc ttttatggtc ttggcttaca 420
 gcaatggaaa aagaatttga tacacatttc aatcagtggg cctctaattct ggcagatgcc 480
 tttatgt 487

<210> 10402
 <211> 434
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10402

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agcttaatgc tccaatgcta tgacttattc acaatggaag gcacaaaccc cgcattttac 180
agacaaatta aaatattgga gtttcagaat cagagttcta atataaaaga aaaatcatag 240
catactcttg aaatctgaaa agcaatcaga acgaattatg gcatgtttgg atgcacctta 300
aatgattcaa tattacatga aaatatcaac taatgtaatt ataagtatag gtaacattta 360
gttcctagtt gaagaattga ttctcgtcca aaattgattc tgagctgaaa caacattttg 420
atactaacat gctt 434

<210> 10403

<211> 420

<212> DNA

<213> Glycine max

<400> 10403

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taaaagaggg agagaagtgg aactttgaaa tgtgtctcat aagactctca ttcacaaag 120
gtacaacaag gggtacacat gctgttattt ataaactagg tagcttcctt gagaagctta 180
tatgagaaaa ctttcttgag aagcttcttt gataaaactt ccttgagaag ctagagctta 240
gctacacaca cccctctcat aactaagctc acctccttga gaagcttcct taagaagatg 300
tctaaagaag ctagagctta gctacacata cctgtctaat agcttagctc acgtccttga 360
gatgagaagc tagaactcag ctacacaccc cctataatag ttaagctcac acccatgaca 420

<210> 10404

<211> 509

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10404

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acagggtttta atacatgggt tagacatata catgtatata taaaaagtag taacaatgtg 120
ctttacctgt acttgatata atgaaacagc ttccacaaga acaccaatgg acaaaccaac 180
ttcaactaca acaaagtaat tcaccttcac ctggagttca tataatgagt aatggcatta 240
gaagaagtca aagccaaacc aacttcaagt acaacaaact aattcagctt tttctcaacc 300
aaactatgtc aaactatattg ttgtctatta aaagtgttag ttattcatgt gacagacata 360
ctattctagt ttctattcat cattaagatt cacaaagcac atatagtgtt ctcatagcaa 420
taccacacac agacaggggt gcagatagca gccacaggcc cacaatcaga ccagctntgc 480
cttgctatta tcttgctcng gagttgtat 509

<210> 10405
<211> 340
<212> DNA
<213> Glycine max

<400> 10405
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cgacacctac tgtacgttga tttgaccaat gctgctatgg gaatgtttcg acaatccttc 120
acaaccttat tgatacattc tgaaaggttg gttgtcatgt ggccatatcg acgtacttct 180
ctatcataag ccacgtcca tttttccttt gaaattcgat caacccatgt ggctatggct 240
ggactcaaat cacgaaattt ttgtaaattc tgatcaaaaa tgtgcttgca aggagtgtat 300
gctgcataaa aatagttatg aataacaact ttaagtatat 340

<210> 10406
<211> 364
<212> DNA
<213> Glycine max

<400> 10406
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tgagactgag caaagaagca cttacacaac ttcaaaacaa attgattttc gagcaatacc 120
tgaaatgtgg tctctaaatg acgtagatgt tcctcgattg acccactata aatgagaatg 180
tcatcgaaga aaatgatgat gaatcgttgg aggtaaggtc tgaagagcat gttcatggtg 240
gcctggaatg atgatgatgc attacacaac ccaaatgaca ttactttgaa cttataatgg 300

ccatggtgtg ttcaaaagtc tgttttggga acatctgctg agtggatgcg gatttgatgg 360
tatac 364

<210> 10407
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10407

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gttactgttg cttccattnt ataccagata gtaaagatcc tctcccgact ctttttctta 120
tgattgacaa gtattactta tatatcaaat tttaacttct tgggtgttcca atcatgtatt 180
ttgtattctt accattcgag aaaagtagaa tgttatctgc agtgatatgg atattattat 240
tagggtaatg gagctagagg atcaaggga ccctttccct aaccctaatt ttattgaaaa 300
ttgtatcgga atattttgtt ttttattggg tagttattat gattattttt attagttttt 360
attagtgaga gaaatttaaa tttagtatct cttttttact tctacaatac tcaactacca 420
actcaatcgn gtagttttgt tatgttttgt cact 454

<210> 10408
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10408

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ttcatatact aaaagctacc aaatactcct acgtggcatt gctagaaatc gatagccgtc 120
aaccttctac gtgagatgtg cttaccttac cacattaaag ctagtacttt acagtttcta 180
ccatttggtg tctgactctt ctctatatcc tttatattta cttttaatat gggtaattta 240
gtaattctag ttaagataac aaatgatgat aaagaaaaaa attaattaat aaataattca 300
gaatgggaat aaatttacia aacataaaat atgatgagac aaatattttt taaagcataa 360
tttgtctttg gaaacttcaa tgaatctcan attaattgga atgtaattat atttcogatag 420
tagctgttag aaactctaata ttatataatc gaaat 455

<210> 10409
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10409

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 gttgagccat gttctcaata tgaaaattag tagttgaatg ctcaaaatta gaatattcag 120
 aatcaccagc aacagaatac tcagaatgct caaaatgctc acaatgttcg aaatgcacag 180
 aatgatcagg atgaacacta tgcctaacta atgtatgaaa ggttctatct atttcaagat 240
 caaatggttg tgaatcccct ggattgcccc tagtcatgca ttatatgcag caaataatgt 300
 gttctcaaac aagcacqagg ggaggggttaa aactacaact atagtcccat gatatccaaa 360
 tgagctgaaa ttttgtgagc aacaccctat aatcatgaaa agatagcaca naaattttca 420
 gacaaaaatt caaagtctaa ctatgaaaac 450

<210> 10410
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10410

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 tatgaccttt caagcaatag atacaatcca ggttggagga gtcattccaaa tctgagatgg 120
 acaagtcctc caacacaaca acaacaggct gtccctcctt ttcagaatgt tgctgggtcta 180
 agcaagccat atgttcctcc tccaatacag cagcagtcac cacaagaca acaagcgact 240
 ganggccct ctcaaccttc cttagaagag ttagtgaggc aaatgacctat ccagaatatg 300
 caatttcagc aagagacaag agctttcatt catagtctga caaatcaaatt ggggcagatg 360
 gctactcaga tgaatcaagc tcagtcccaa aattctgaca aatggccttc acaaactgtg 420
 cataatccga aaaatgtaa 439

<210> 10411
 <211> 380
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10411

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ttagagttta tctcttttat cttagtga ga gtagttctcc taaattcttg agtgattcaa 120
gaacaccctg gctgtatcaa aggactttca caacctttgt gtggtgccct cgctggaaaag 180
agtgattctt tcttctctat catctccacc cttgttcttt caaaccacaa ttccagaaaa 240
tccacctctg cccaaaatta tctcgtgacc ataactccca ttccacacac tcaaattaag 300
tgattcttga gcctaaattg aatttcanaa cgagaccttt cacctcgttt tggaaatcac 360
ctcattggag ccctgtagct 380

<210> 10412

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10412

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tttatcggnt aacatggacc gttcaaaagc ataaaatcaa catgtaactc taccactttt 120
gcaagaacta cgtaggtctg atttctctat cgcaattgag gatacgtagg agcaaaagcc 180
ccgcttttgt cgaccacccc tagagatcgt taatgggtcca gtgccttaac gtttctcttc 240
tttcacaacc aagagatcgt taatgggtcta acgccttaac gtttctctcc tttcaaaaac 300
caaaagatcg ttaatgggtcc aaaggcctta acgtttctct cctttccaaa aatcaaagat 360
cgtttaatgg tccaacgcct tatacaactn tagttcggtc aaaatatatc ttacaaaana 420
ggataaaaat aacttaacca acgttttagtt ctcaaagaac tacgtaagtc tg 472

<210> 10413

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10413

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agttttatatt cagccttgta ttttggcggt tattacttta gtactctgat tatggttgtc 120
 ttggatgttt accattatgt ttttgctttg aggttgggtt atttcttgac tttgttctgc 180
 ttaattaaga cttgtgtggt ttattattct atgaattgaa ttagtttatg gatggattgt 240
 gctatgggtc ttgttgatgc attatttctt ttcttttagac agtggtggct ttttgctatt 300
 gccaaagggg gagagaacaa gggtaggtag aatttgtcat caaccttagg cataaattcc 360
 aatcttaatg gggagtgagt gttgtgagca tgctttatct attgtatatt atttatcttg 420
 atttcagatt atcggcacat tcaaagaggg gg 452

<210> 10414
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10414

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 atcttggag acattgcttc cacaatagaa agttggacta gctcatctag gtccctatat 120
 ggaaggagtt caaccttgtc cctcacttcc atattaagcc cactaagaaa cctagctatg 180
 cttgttcttt cccctccct aagtcctgct cttaaaagga gtagttccat ttgttgtcta 240
 tattcttcaa cacttatact cccttgtcta agcctttgga acttgtccat aagctccctt 300
 tcatagtagg agggaatgtg cctcttecta agggcactct taagatcatt ccaatactct 360
 actggaggat ccncatgaat ccttcgttcc ctaacaaggg aagtccacca atagagggca 420
 tacccttgaa agctaagggt agctaatagg aactttatct cttcactaat atga 474

<210> 10415
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 10415

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 ttcaacttgg agaacataag gacaaatggg cagagttaac ttacaattta ttacaataaa 120
 acataggtat ccaacatcaa tcatcatcca acacaaaatt caattactga tatgcataaa 180

attggatggg cccacaccat aatacatata atccaatata ttttggtttt atgaattcac 240
tccaaggaaa agcagataac aggtcattaa catcaataaa atatctttta cttacgaaaa 300
acataaaga taacatcaac aaaccatatg tttatggtta gaattaatcc gctctgtgca 360
aatcaaattg gaatgccact ttcggttata tacataggat tattattatt atataattca 420
aattgaaatc aaagcattga aatacgaaaa c 451

<210> 10416
<211> 382
<212> DNA
<213> Glycine max

<400> 10416

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tgatgtcaaa agaagaatca aacaaggctc attctgcttc aagattaata caagattgtt 120
tcaacaaaca aagctttgat tcaagatttc ttcaagatca agccttgccct cacaatgaaa 180
ggcttcaggt cattcaaggc acatgtaatc gattaccaat acatgtaatc gattaccaat 240
ggttggaag tgtgtaatcg attacacatc atatgtaatc gattaccaga gagggatctc 300
aaggaatatc gccaacagtc acatcttata attcgaatac tgaatgggca tcaaaggcct 360
atatatatgt gtgacttggg ac 382

<210> 10417
<211> 380
<212> DNA
<213> Glycine max

<400> 10417

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ctgctttggc taggaagaaa atcgatgtgc aggagaatgt tatgaaccct cgctgtgtta 120
ggaaaacgct tagagtttat gtttacaaca ctttttcgaa tcacgtgaaa gtggagcctg 180
tgaagaatgg tgtggaggag ccttcttggg cgcttatgat aaccggaagg gtgttggaag 240
atggtaagga ttctgtggcg gaagggattt cgacgaagga atatccaaaa ttctcggctg 300
gtttcaagaa gattaccata tacttggatc agggcttgta ccaggataac catgttggtg 360
tgtgggatag tgcccgttct 380

<210> 10418
 <211> 195
 <212> DNA
 <213> Glycine max

<400> 10418

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 ctacagttta ggttcgcatg taagctatac tcacagacaa ctaatgagca ataacttttt 120
 tttctcatca ttctctaag cttaaatttct gtctgaatta actaatctta agctcaaaaag 180
 taattttaaaa aaaat 195

<210> 10419
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10419

agcttcaaca ttcaatgtca agcgtctcga tatattacgg gactcaatca gacatccgag 60
 taanaaggta ttgtcgtttg aattgggtca cagcttcaac attcaattcc gagggctctcg 120
 atatattacg ggactcaatc cgacatccga gaaaaaaatt attgtcgttt gaattgggtc 180
 agaggttcaa cattcaattt tgagcgtctc gatatgttac gggactcaat cagacatccg 240
 agtaaaaagc tattgtcgtt tgaatttgct cacagattca acattcaatt tcgaggcgct 300
 cgatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattggc 360
 tcagagggtc aacattcaat ctcgagcgtc tcgttatatt acgggactca atc 413

<210> 10420
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10420

ctgagacaat tcanacgaca acaactntnt actcggatat ctgattgatt cccgttatat 60
 aacgagacgc tcgaaattga atgtttaagc tctgatccaa ttcaaagac aataaatttt 120
 ttctcagatg tctgattgag tccaataata taacgagacg ctcgaaattg aatgttgaag 180

ctctaagcca attcaaacga caataactnt ttactacgat gtctgattga gtcccgtaac 240
 atctcgagac gctcgaaatt gaatgttgaa gctctgagac aattgaaacg acaacaactc 300
 tttactcgga tctctgatng agtcccgta catatcaaga cgctcgaaat tgaatgtgga 360
 atctctgagc caatttacac gacaatacac ttttacttcg atgt 404

<210> 10421
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10421

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 atgcacattn tatctatata caattgtttg ttgcttgctt gaatcttgat ttcaggtatt 120
 gtattgtcat catcaaaaag ggggagattg tagatgcaat tgcctttgat gttttgatga 180
 tgaacatgat gatgtgttgc aattgatgca aatgagcttt tcaagattaa attcaagaca 240
 atgcttcaag attacaagtc acaacatcaa gatgatcact agaataattag gaaggcaatt 300
 cctaattgaa ttagcaaagg tttggccaag tgatttatat taaaaagtgt ttctcaaagg 360
 ttttactctc tggtaatoga ttaccagagg atgtaatoga ttaccagtgg ccaaatacgt 420
 tntataacag ctataaaaat ttgaattc 448

<210> 10422
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10422

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 cacactcctt gtgcaaataa gctaattccat gagctgcacc ctgngcaatc ttgagtctta 120
 catcccattt tagagctgaa tttccatcct cactctcatg cagccaatag tcaaggcttc 180
 cattctccaa gtaggagtaa attaacaatc tgtcattgaa atgctgacaa taacctttaa 240
 gtgaaacaag gttcttatgt tgagctcttg agagtgcctc cacttcagct tggaattcac 300
 gttccacctg accacagtac cctg 324

<210> 10423
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 10423

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aactacactc attcatacaa ataatttttt tttactactt tagtattaac aagtgaacat 120
ttttatgtac cacggcattg ctggtggaca cgcccttagc ggaatcgtcc tcctcggagt 180
cgcgccgctt tctgctgtta ctgggtccga gtcogtggct cggcccgggtg gtgaaatccc 240
caaactgccc tcctggcccc tgaccgaact gcgggcttct gagccccaat ccaccgccgc 300
cactaatcgc cggcggggaac tgctgccaga tctccgccaa gctaaacggc gccgtattac 360
cgctcgcatt gttcgcgaag ggaaccctcg tcatcatcgc gcccggatcc ataaacagaa 420
a 421
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<210> 10424
 <211> 95
 <212> DNA
 <213> Glycine max

<400> 10424

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cgaacacaca tgtttcaacta aatttccttg catagtgaag gaatatcaac attaacaaga 60
aagcaagcac acaaattaat atgttaatga gacag 95
```

<210> 10425
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10425

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tgcaagcttg atgccattnt gttagaaaaa gagaagaata atgagaaaaa ggagattctc 60
ttcatttggc acacttggtta tatggtttgg tggctctatt atagtagagc aacctatctc 120
cattacataa ctcttacatt agcactta aagagcacia tgagaatagc cattctaatt 180
cttaatgttt acataagaat aatatccctt aatacttatt aacctatacc cattcatctt 240
ctaatagtaa ctcatgactt ttcattntct aattattatt atttctaata tatctcactc 300
```

aaatagctat aatagtatgg gtggatggat ttattctatt tttggatcct ctttcttcgg 360
gtggttattt gtcatatagt agcaattaag ggcttgaagt gaggctacac ctagcttaag 420
atcaactnta taagaaatca nnagtttttc at 452

<210> 10426
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10426

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actaccatag tggaatgtca gttgaagaag cagttgatct cgttgataag tgcattatgg 120
agatcagatc caggctcgtt gttgcaccac cgaactttgt tattaataat gtggacaagg 180
atggtgcaag agagtacgca tggcgtgaat ctgtccagga tgttcctggt ccttcagctt 240
gagtaactct gttcctaatt ttcattggac ttatttcttt tgcatttgcc ctgcttttat 300
cttgctacaa tttttttact ggtcttgtaa tgtctctgaa aatcatgggc tatagatgct 360
ctaaaggaag acagtttatc atttgaatta aatatgcacg atggctagtt ctattcataa 420
atgaatgtat gacattgtgt gaagtacgct tgactt 456

<210> 10427
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10427

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taattatgtg aatgatttag tttcatgttg catttctaag tactaatatc ctcaactgta 120
aggtattaat catttaatat gttactaaaa gtagtgaaag tggatataca ggattagatg 180
tttgataact ggcttcatat aattcagaaa acactagttt tctagaagct tcttggtatt 240
aaagttacaa gaggatcct ttttcttata tcaactaagca tgcaagctct ctttctgtca 300
tttgattca tttcatcaag atgtgaattc ttaccaactc ataactgttc ttttgtcatt 360
tctcttatgc tgctcactt ggttaatgac ttaacgagtt aatgttggtt ttcaagacaa 420

<210> 10430
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10430

agcttgacaa agaaatagaa actgtctaag ctagatttcc atctatgcaa gaattgcact 60
 gcgcattgag tcacaatgta atttgtttgt gtaagtagac tttgtacaag gttcactctg 120
 agtacacata tctgaaggag ggtagcaca ctaatctaga agattatgat aagatttacc 180
 agcttttagtg aaagtagttt ttaccatttt tggcaaaatt ctactttatc cttttatagt 240
 ttgttttgga aaattgcaag aagccataca aggcattggc gagctcatgg agagcacctc 300
 aagggctgtc caaaatgcc aattagtcata ttaatggcca ttcaaagtgc ttaaattaag 360
 aagataaaga ttangccttg caatcccatt gatccaagca tttcacctac aataagtgtt 420
 gntnttaaaa gataaagtct 440

<210> 10431
 <211> 212
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10431

gagtcttctc tgtggctatc ttactggttt agcccatcc tctaaatnta tccgatgcat 60
 acatgtggat gggctaatac cangaatgtc tgctagggtc cagcctatag ctttcttatg 120
 cttcttgaga actgataaca acttctctc ttgctcatca gcaagggagg caaatataat 180
 tactggaaaa cttttgctat catccaagta ag 212

<210> 10432
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10432

agcttagctg ctgcactaag cttaatctgc agaaaaaata ctttctgtgt cttcaggcta 60
 agcgccagtc cgctgcgctt agcgcttgag taaaatttca caaggcgtgc taagctcagc 120

ctgctgcgct aagcgcccag tcaaattttc aattttatatt ttatgttttt gttgaaaata 180
acctgtgcta atctcttggtg ttttgtctta tattttgcaa atggcatcta agaaaaggaa 240
ggctccttct acacctacc aggccagata tgacagatcc aggttcatat ctcaagaagc 300
ttgggagaga tatacagata ttgtggtgcc taagaaacta ctatcggaga ggaatgtagt 360
agtttacttc actgagtttg acgagttcaa ggaggaactc gagagaagac actatgatga 420
gaagttaact gattntgtac acaaaaatat 450

<210> 10433
<211> 550
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10433

cgacggggtn tttgtacca tctttngtga cctatgatac tcagcttaca tctcgtattc 60
gcgtcattct gatcttagta tanagggtac cgatctacaa tgtataaatg aggattcatg 120
tcatgagtaa tgtttgtaag agttcagtgt aatgatgaac accacaaagg gtaagtgaac 180
aaatcttggtg caactatgat caaataatgg tccatccgtt atactagcat atctagacct 240
atnntgtttg tgatatacca gttactgacc atgagattct agttntggac ctatgggtnt 300
canggtgaag taagcatgta gctgtgtcaa tatatgctga anagaacttc actggatctt 360
tcccgatctc cttantnnat attgtngtgg aattctttga tgcattatgc aagtatcctg 420
tcccaatata natcatattt ctgtcatatg ctggcggcga gggagtccca tcnatgtatg 480
atatataatc ttttcanctg cactagatga tcattatgta ttactntaag atgcctctgt 540
tggttgagtg 550

<210> 10434
<211> 443
<212> DNA
<213> Glycine max

<400> 10434

agcttagcag cagtcccaaa acccaatttt attcgcaacc aagtgtcatg atttctatat 60
taccaatttt gctagctgtt aatgttgaat catagttttg ctctcttattc tggcattcgt 120
ctcatattgt aaacctattc cacgtgggtcc agatttaaaa catacttctc ttactttatt 180

tcaaaatcat tcttctcttt accttacaac tcactcaatt atatcattac cctttttcat 240
 atgcagaata ccaacatgca aacatatcta atccagcaaa tggcaccatc aataggcaag 300
 ctatgatcca gaaccaacaa gatgccttat ctcccatctt tttcatcttc taaatttatt 360
 gtaccttctg cagatttaaa acaagcattt ggttcttgat ttcaacatga atctactgtt 420
 tagtttataa ttactcaat tct 443

<210> 10435
 <211> 311
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10435

tctctaccat tctgaccgag tgaattgngc ttcaacgtag ttctttacag aacctatggc 60
 aagctgtgtt tggaggcctt gttggtaaca ttgacggaca attcttgaaa ggattctatg 120
 gtaatattgg ttggtctgac aacctgcata cagagatata cgcattaaga caagggttgg 180
 aaatatgtnt ggatctgggt ataagggaga taacgtgcga aacagactct cttcacaccc 240
 ttcagttggt gaataatgtc atcgaccccc acccacaaca cgtatatgct tctcttgagt 300
 tagtactatt a 311

<210> 10436
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10436

agcttatgct gcanacattt ataatagacc tccacagcag caaaaccaac aacagcaaaa 60
 tacttatgac ctttcaagca acagatacaa tccagggttg aggaatcatc caaatctgag 120
 atggacaagc cctccacaac aataacagca tgtccctcct tttcagaatg ttgctgggtcc 180
 aagcaagcca tatgttcctc ctccaatgca gcaacaacaa caacaacaac aacaacagtc 240
 acaacaaga caacaagcaa ctgaggctcc tctcaacct tccttagaag agttagtgag 300
 gcaaattgacc atccagaata tgcaatttca gcaagagaca agagcctcca ttcagagttt 360
 gacaaatcag atggggctga tggctactca gatgaaccaa gctcagtcct aaaattctaa 420

caaatttcct tcacaaactg tgcgg 445

<210> 10437
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10437

tctttaatgg agaggggtac cactactgga gaacccgaat gcaaattttt atcgaggcaa 60
tagatctaaa tatctgggaa gccatagaaa tagggcctta tatacccacc acagtagaaa 120
gagtttcaat agatggtggt tcatcaagtg aaagcattac catagaaaaa cctanagata 180
gatggtctga agaggataga aaaccagtac aatacaactt ataagccaaa aacataataa 240
cat 243

<210> 10438
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10438

agcttgatca ttntctaact ggtaaacta tattttgngg ttttcaaatt tttcaactct 60
tattatttgg gtcttttaaa ttttcaaaga ttaattttcc ttcttaaata tttgttacgt 120
ctaataatttt cgtcatttat gtctaaaatc accgttaatt atctacgtaa cattaattgt 180
attattgtat tttatgacgg ctaaaattct gtcagaaatt gcttagtaat agattcttct 240
tcttctcttt ctcttactcg acaccagcca ccgccgacga caccatcccc aaaccagggga 300
gagcgagaaa ggagacagag ggagagtgcg ggttgctggt ggtcttctcc gtctcgatcc 360
agatgccgac agtggcggtg cgggctgggt ttggtattga cggcgacagc ggtgtcgggc 420
attgcagatc tgaaactaga tct 443

<210> 10439
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 10439

agcttaaatg aaaaaacacg atatagaaat gttcctttgt cacaaatttc aaacaattga 60
tagagaattt gcattgcgtt gcaaagacaa gccatgcccc tttttctctt gtatctcccc 120
ttccctacta ttatacacca tgacattgct ttagaagcta aactacgcac aaaggaagca 180
aggttgaaat aaattaggtt gtcttcaact gcaagcatat atttccttgt acatttcctt 240
aacataaaaa aagtaagtct caaatctttg ctcttatttt cttcaaaaag aaatnttaag 300
agatagaatt ttgtcacgaa ttttaatttta atatattgct aatgcaaaaa aattatattg 360
tcaattaatt aacaaccact tataatgtaa caatcttcaa ttatatgtta gttcatgagt 420
tgataataac aattggtaaa ttctgtg 447

<210> 10440

<211> 274

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10440

tctctcattt caacttttat ttcgaaactt anattgattc tcaacaactt ttcttttaat 60
taanaatttc aaacttcacc atcattagaa aactttcatt nttctctttt gctacatacc 120
atcacttgct cgtcttctga ccttcccttc taaggaacaa atattgtctt tttttatgt 180
ttgcatgatg aactatntct tcttgacac cttacaacct tacttggaac taacanactn 240
gtaacattct cccaccaca gatgttatat ttgt 274

<210> 10441

<211> 577

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10441

catattcggg cactcagtgt ttactcttct ctattctctc tttccttttt cctcattgcn 60
annnnacgac cggtgantcg tttcgatata gtacnoggng cacctntaca gtntacctgc 120
acgcatgcaa gtcgctcaa catgctatgt taggatgaga ttcacattcc cgggccatcc 180
aagggtctca atgatgatgc ttgtgacgtt catgtgctga aatagcttat ggactactga 240

tacaaatgaa cggcataaat aacctatggt tatagagtga caaagcgggtg tttagtatgc 300
 gaaaataaag aagtttttac ggctgtgagg acgaatatat aattggcaga atttgcatag 360
 ttaaaagaga ataaattcta tcttgatatg cacattaaga cttatgacaa cgactacacc 420
 gtgcttaggc gaaggacaac tgaacatggt gcacctggag ccttctcttt ggcaaaagtg 480
 gttgtcgaat agaacaatat tgatacagtg gatgtgaggc gtacatcaga ttgaccacga 540
 caattggtgt gtacacttgg cggaggtcag cttctcn 577

<210> 10442
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10442

gccttgttcc acttatacat ttatcgtctg cctacaaaaa tcaatattca ttctanaatg 60
 acaatagacc ctactactct taagtattca atattcattc taaaattgaa aattcaatat 120
 tcagtattca tacctttctg ctctaacaaa tntgtgttgc atttgatagc aatcaccgga 180
 gaaagaacac tatatctgct tgtngatctt aatcatgaat agaaacaaga gtatcctctt 240
 aaactctcat tgctgtacat gaatagtaca ctttaatacc acaacagttc acatacttgg 300
 tgacataagc tgaatagttg tgtattgact tggtnagact gatctttatg catactatat 360
 tctcaagggt ttgtcaaagc gaacatatat gtgtgagatg gcatgtaatg ctatctntaa 420
 ttagtatatc ctctgtatgg ctgt 444

<210> 10443
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10443

agcttgtcac gtttcctaac tctnttggtg tgttgccagt gattccattc ccttgcaaag 60
 atctaataca agtataatat gcatcaattt actttcccggt catcaaaatt tgagttagtt 120
 agaatgcaaa aataattttt agtattatgg agttgaccaa gattgtgtgg attttttgtg 180
 atagaaatcc ttacagagct gtaagatatt ttagaaactcc tattattgng gtcaagtatc 240

ctgtgaatcc catatatgct agtgatctgc aatgaagcaa tttatatatt acacagcaag 300
 caggaattca agatttataaa atgtgaaata taacactttc tacaatgagt aatgacagcc 360
 aacatcttca gcatatcaaa tagattagag aacaacaaca ttgaatatta aaatatctta 420
 cacttgcattg acattgttgt ttgagtcaca gtaaaca 457

<210> 10444
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10444

agctntcata tgtgaaatca tgtgcagcca tcttcttatt atgttctctc acgaggtaga 60
 ggttgagcca tgttctcagt atgaaaatta gtagttgaat gctcaaaatc agaattgttca 120
 aaatcaccaa caacaaaata ctcaaatgc acataatgat caggattcac actatgccta 180
 actaatctat gaaagggttct atctatttca ggatcaaagg gttgttaaadc acctggattg 240
 cccttagtca tgcactatat gcagcagatc atgtgtttct caaacaagca ccaggggagg 300
 gttaaaacta caactatagt caaatgatat ccaaataagc cgaaattttg tgagcaacac 360
 cctaaaatca tgaaaagata gcacaaaaat tttcagagaa aaattcacag tctaactatg 420
 aaaact 426

<210> 10445
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10445

agcttcagtt acatgggttg caagttcttg gcgtataact gggaccttct ccagggcaag 60
 ttttgagcag gaaacaaaaa ttctgcataa cattgaatac tgaaattttc atatctaagc 120
 aggagcaatt gaaaatatag aaaaatgggg aaaatcataa aggaacgact aaattagaat 180
 taatattaat acatgtgtgc taagatgtcc tcacgattct caagggattt tgccacagtt 240
 cttgctaata tnagtttccc agagccctgn ggaaaaaaat atttaaagt caaatgcata 300
 gataattcac tcgtcagatt ggcaagcttt tatatggtca gatcaacaat atgaaggtag 360

ataagaaaaa atcactaatc ttaatatgaa gagctagatt ctgagctcan agactagcac 420
ggcagccagt aatttgtatt gtgtgatgtg atgact 456

<210> 10446
<211> 515
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10446

cgcgtagcca tgtcttcgag ccttnanact caagctaaga cttgagtgtg tacantantn 60
tgaaaaanan tacanttctt gatacttgtn gtancttttg attntaacia caagcttcgg 120
ctactancan ntgaaactnt ggagaanatn gaagaacaga anaacaagag aagtcacacc 180
cgaattgaaa ttctctatcc cnnatttctt gttcttctca caaccccaaa aagctattct 240
atggctcggg aaaactagag aatctctgtg atcgtccaat aaacattgac acgtcaattt 300
gaaatcatgt actatttatt aacttgcaga ttntaacgag ttccttttag cttttctttt 360
atcattcact tcccatcagt ttaacttatg cgatgtagaa ctanataaac aggctattac 420
atgaactcta tctgtnatca atttatttac cgatccaggg taaccgcttt cacctctcat 480
ccttatagca agtacacatg tgatttaatt cgagc 515

<210> 10447
<211> 455
<212> DNA
<213> Glycine max

<400> 10447

agcttggttg ctacatccaa gtataaatga tttgatatta taagtataaa cctattcaaa 60
acttctgttc aaaatattaa aataacttta cttgaaattt tgaacctctg cacttggttt 120
taattagcta attccaatct tctggagata tgtatttttg tttgtttata tttttcttta 180
agatgagctt catgtaaatg ataaacctta ttcttgatg gagattcaat ttgctctatt 240
acacattggt tgacctaatc agataaacta aaaccatcct tatgtcatac gttttcatgg 300
aaaagtaaaa atttattact atgaacatac attgtaaaaa aaaattggca aacataagta 360
atattcaa atataaata atgagatata attcacctaa ttatatagta accttcatat 420
gtcgccacat ttgatgtaca tcatgctgac taatt 455

<210> 10448
 <211> 283
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10448

aagtaccaag aagagttagg tctagccgcg gccacgagc atagaatcgc ggatgagtac 60
 gctcaaatat atgcggaana agaggctaga ggaaggggtga tgcactcttt gcaccaaag 120
 gcatccatgt tggatggacc ggttgctctt accttgaacg ggagtcaaga acttncccg 180
 tttgtagcca aggccaaggc gatggctaga cacctactca cccccaaga gattcatggg 240
 cttctcggtt attgcagcat atgatagact taatggccca cat 283

<210> 10449
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 10449

agctctgtga acctgctatg gttggattag ttaacatac ccattctatt ttagggtttt 60
 tatgatgatg cttgtgatgt tcatgtgctg aaattgctta tggaaaactg ttataaatga 120
 agggtagaac taacctacgg tttgagagtg acaatgtggt gttaggagtg gaaaaagagt 180
 gaatttttta aggctggaag gccaaatcta caattggtag tatttagagg ttagagtga 240
 taaatcttat cttgaaatgc catttatgac ttatgagaaa gcttggactg tgctatggag 300
 aaaaacaaat gaccaaagtg aaccaagagc cttttctagg gcacaattgg gtgttgcaga 360
 gtcaaatttt gattccgtgg aattctatgc gtaaattccag attgagcaag ttacattga 420
 tgttatatac ttgtgtg 437

<210> 10450
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10450

agcttgcttc aaagaggtcc aggaaggaca atgcggccga aggaactagt tccgccccgg 60

agtatgacag tcaccgcttt aggagcgttg tacaccagca gcgcttcgaa gccatcaagg 120
gatggtcgtt tctccgggag cgacgcgtcc agctcagggg cgacgagtat actgattttc 180
aggaggaaat agggcgccgg cgggtgggcac cactgattac tcctatggcc aagtttgatc 240
cagaaatagt ccttgaattn tatgccaatg cttggccaac agaggagggc gtgcgtgaca 300
tgagatcctg tgtaggggt cagtggatcc cgttcgatgc cgacgctatc agccagctcc 360
tgggatatcc gatggtgttg gaagagggcc aggaatgcga gtatggccag aggaggaacc 420
ggtctgatgg gttcgatg 438

<210> 10451
<211> 314
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10451

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ggcgtgttct ttgaaagatc cgtcctccctt tctgaaaatg ttctgtagtt gcatcctatc 120
cagaaccata tncaaatgt actaatactg gctaacaaag gcaaccatta tgccttcca 180
agaatggact cgggaagggt ccaagtagtg taccaggtaa cagctacccc agtaagactn 240
tcatggaagg aatgtatcaa caattcctca tcttttgctg atttcccatc ttctgcaata 300
catcttagat ggtc 314

<210> 10452
<211> 152
<212> DNA
<213> Glycine max
<400> 10452

agcttgctgg gtcaaaggat atgaatttga ttgttcatat gccacagacg atagacgttg 60
gtgtatcata catcttgcca gtcttagtta ggggagccat agcccgctg tggatgaatat 120
cacgtgctat aagtaactat ggccttgatc at 152

<210> 10453
<211> 432
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10453

agctntaaac attcaatttg agcgtctcga tatattacgg gactcaatca gacatccgag 60
taaaaagtta ttgtcgtttg aattgggtca gagcttcaac attcaatttc gaggggtctcg 120
atatatgacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180
agagcttcaa cattcaattt cgaggggtctc gatatatgtc gggactcaat cagacatccg 240
agtaaaaagt tattgtcgtt tgaattgggt cagagcttca acattcaatt tcgagcgtct 300
cggatatga cgggactcaa tcagacatcc gagtaaacg ttattgtcgt ttgaattggc 360
tcagagcttc aacattcata ttcgagcgtc tcgatatat acgggactca atcagacatc 420
cgagtaaaaa gt 432

<210> 10454

<211> 396

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10454

actaagcttt tatccaggct catcttgggt ggaagctcct tcttccatgg cttattcctt 60
aatggatggc gcctnctctc acctattntc ctttgtcttc cgtgcacatc ccatgggtgga 120
aaatcaccat taaaggaccc cattgaagct caaagatcca gcctccatcg aagctccaca 180
cagcaagctt catcaagtgg tatcagagca caagagcttc aagtaggtgc tccttanacc 240
tncattcaat ttttttttgc cttctcttca ttgggtgttct taattttctc cagtatctc 300
tacatgtctt gttaaagtgt gtaacatgat tcttagagtt ccaccgatta acttgtatag 360
aagtagattg attttatggg tcaattctgg tctgtc 396

<210> 10455

<211> 243

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10455

ttaatggtga ggcctttccc tggagatgcg tcggaggtgc aactgcgaat gagacagggg 60

aggctctgtg cactanggtg cagaccgagg atgaaggagc ctgatcacc ctttgaggac 120
cctatatgaa tctctgcgaa gaatctctga ctgtggataa gatagacata atgtttgtgc 180
actatttatt atgaatagat gatggagaga accgcaactt tgaagtgagt ctcattccac 240
tct 243

<210> 10456
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10456

ccttcacccg acgaagacac tgacaaaaac ttatcttctc cttcttggac aaagtatggc 60
agggctgggg caagtaaatt ttcttcccat cagaccttgg atgcaactgt gatcgtatac 120
ccatatacgc tagatcttga aggggtattca agccatcctt cgtcttgcct tgaatgttaa 180
nggagcgtcc aatgacacta tcacnagaca tttnttccac atgcataaca tcaatacaat 240
gtctaacgtc aagatcacac cagtac 266

<210> 10457
<211> 434
<212> DNA
<213> Glycine max

<400> 10457

agcttatgct gcacacattt attatagttc ttcacagcaa ctaaaccaac aacagcgaaa 60
tacttatgac ctttctagca acagatacaa tccagggttg aggaatcatc caaatctgag 120
atggacaagc cctccacaac aataacagca tgtccctcct tttcagaatg ttgctgggtcc 180
aagcaagcca tatgttcctc ctccaatgca gcatcaacaa caacgacaac gacgacagtc 240
acaacaaaga caacaagcaa ctgagggtcc tcctcaacct tccttagaag agttagtgag 300
gcaaatagacc atccagaata tgcaatttca tcaagagaca agagcctcca ttcagagttt 360
gacaaatcag atggggctga tggctactca gatgaaccaa gctcagtcct agaattctaa 420
caaatttctc tcac 434

<210> 10458

<211> 179
 <212> DNA
 <213> Glycine max

<400> 10458

ctatcaatag acctccaatc tttaatggag aggggtaccac tactggcaaa cccgaatgca 60
 catctttatc gaggcaatag atctaaatat ctgggaagcc atagaaatag ggccttatat 120
 acccaccaca gtagacagag tttcaataga tggtagtcca tcaagtgaag gcataacca 179

<210> 10459
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 10459

agcttccttg gtttctttaa aatagtgtgt tatgcaagaa taactttttg ggtgtcattc 60
 ccaaagaact tggagattta cccaagctag agttattgga tttaggggag aataacttgt 120
 caggaaacat cccaatagaa attggcaaga tgtcattact aaaacacttg taagttaact 180
 ttctatcttg tgtgcatgtg ttattagatt tttagtattt ttttcaatgg aattttattt 240
 taccatacgt tactctgtga taataaaata taaggaagtg atcctaaaga tggcctaaaag 300
 ttcaaatttt ctttgaaatc tctaattgaa aatgggtcat taactctaac aactatattt 360
 tcctacatca ataaggaatt tggacaatgg taaatatatc ttttaatttat cctccctaac 420
 aaagctatct tagtagtgtc attacatc 448

<210> 10460
 <211> 245
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10460

aacttctaca gtntctcttg catcaaccta agtaaagtct gaaatatttc taatcttaaa 60
 aaagaatggt atttcaatac ctattattta tcgggtccctc agcacaaatg ttgcataacct 120
 cattgaactt aattgcattc cttccatatt ctgctctggg ggaataggag tctcattttc 180
 agccttaggg gcaacattca tctctctttt cttattatca tcttctctgc agctctctac 240
 tctat 245

<210> 10461
 <211> 273
 <212> DNA
 <213> Glycine max

<400> 10461

gtcgcatctc gtcaacgtct gagagacccat acattggacc tagcgatttt ttattatgcg 60
 tgccatcttc tctgtcgtat actgacccat gcctataagc ccatgaatct cttctggggc 120
 ggagaaagtg cctgccatcg acatggcctt ggataaacact cggagtatct catgacttcc 180
 gttcaacgta atagcatgcc gagccatcca catgggtgtc tctaggtgtg aagagacgct 240
 cagcatgcct gcacccatg catgtggggc gtg 273

<210> 10462
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10462

ccctcaattt aatggattnt ctaggtttga gaagtgaac tgagaatggg aataatttga 60
 agcaaactct cacctcacac aagtctataa cctcaattta aacttggtca aactggattt 120
 acgcctaata ttccaccgaa tcaaaatttg actcctcaac acccaaattt accctagaaa 180
 tggatctttg ntacttttg tcatttggtt ntctctctag cacagcctaa cctttctcat 240
 aagtnctaaa tgggcattca agctangagt aactcactct aacctctaaa tactaccaat 300
 tccagaattg gccttcagct ctcaaaaatc actctttttt cactcataac atcatattct 360
 caccttct 368

<210> 10463
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10463

agcttcaacc ttnggtgctc atttctgcc catatcgta aaggagagca ttttcgngt 60
 cgtgaagtgc gtggctacga gtgggacttc gaaaattcag gtttgggcg acttctttct 120

<210> 10466
 <211> 263
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10466

cctgaatttt gtgggtatag ctcacttcta tgcctacaga atctacctac cacagagcaa 60
 caaagtaatc gtcagcatgg atgtcaaatt tctggagtca gatagttggg actggaacaa 120
 tgataagagg tctgagtttc acgaggagaa tgaagatggt gatgaagaac ccatcagagg 180
 aaccagatca ctttcagaca tctaccaaag gtgtaatggt gatgtaatgg agcctgangg 240
 atatgaagaa gctacagctg atc 263

<210> 10467
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10467

agcttgacag anatctgcag ccgaaccacc tgtttctntt cctgcattcc acccaccttg 60
 atcattacct tttccctggt tatcatgtga tgaagagact ggagcattcc aattgttttt 120
 tgttccccag ccagatgacc cactcccatc cttagttggt tggcttttcc acccaacatc 180
 ctgattagca tcaatatctg aagtaccatc agggtttcca acttctttga ctccactttt 240
 aaaaccattg ccaccacccc atccaattga tgacgtttga tttgactttn tgacactggt 300
 ccaaccagaa gactcctctt cagaagcctt ggttgatttc caattgcttt tgctgtccct 360
 tgctgaggat tgatttccat tcaaattggt aggtttgtca ttccaattgc tattctgatt 420
 gccatcacc atgcttccag ttntatgct 449

<210> 10468
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10468

gcatcattgt cttatTTtga tgttatgtta aagaacacaa gtggaagcag aacagaatat 60
 ggaaatgcag ctCGaagcat aaagtgttgg atgaatgaag ctttaagaag agtgtggact 120
 gtagtgtggt gttgcatcac cagtacggct tattttattg tattatattt ttaggtttc 180
 tgacagcgtc taacaatata ataaataatt acttttctag aacaaaaatc actccttttt 240
 attcacttac agttatagtc tgcaatcatc ctCGttgatt tCGacgaatc tCngatCnga 300
 tgtttgagta ttatttactt aataatcata aactacgtaa ttttatctac tgcagtatat 360
 a 361

<210> 10469
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 10469
 agcttcttga ggaagctaca tgagcttcct cagtaaaaac gttgtacagc cttctttaaC 60
 cgttagatct tctCGaaatt tggTctgcag cttcaaaaga tacttgtcca tgatctgacc 120
 gttgggatct ttgagaagat gtctggagtG tgCGcgaagc ttCGgttccc gagaacattt 180
 ctCatttaag catttcagcc tttgctttcg ttagtTtag gaaaaatgcc atttcttctc 240
 ctttctttct tccaatgtca tttctaacgt cccaagcaCt ttctccatca cccatagcca 300
 tcattagcca cCGcaaaccg ccattgttat ctgttgagac ccacaccgag aggaaccctt 360
 caactgaagc gaaatcttcc aacttggctt gcggtttcgg tagagaacga aaccctaatc 420
 taacctttca ttctctttcg a 441

<210> 10470
 <211> 553
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10470

nggcgcgtgt ttatgacnat gtaactctag atctcagctn ggaaggatgc ttaantggag 60
 gggaganag agggagagaa atatataant gggagcacta tatngaagga agaaacaggg 120
 agagaagttg aactttgagt tgtgtctcac aagactctca ttcatcaaag ttacaacaag 180
 tgttacacat gcttctatnt atagactatg ctagcttctt gagaagctat cttgagaann 240

acttcttgag aagcttcttt gagaaaagtc ctttgagagc tagagcttag ctacacacac 300
ccctctcata actaagctca ccttcgngag aagctgtctt angaangaat ctanagaagc 360
tagagcttag ctacacatac ctctcgtata gctanggtca ccctcttgag atgagaacta 420
gagctagctc acaccctat atactaactc acccatgaca atcatgatat acaaaaaaat 480
ctactcaaac tctanatgct cgatcanggt aaccttctct aatggcaatc aggctatgag 540
ganactatta ttn 553

<210> 10471
<211> 388
<212> DNA
<213> Glycine max

<400> 10471

ataatttctc accattatct ctccaaaaat caaaactagg acctttttct tctctatctt 60
gcgtgagatc tttaaggagg aagagaccac cattgtcatc ttctttcaag ctacatttta 120
atttgttgag attccttctc tcaaagattt ggtgagaaga tcctaagact ctcttatctt 180
ctcatttctc atcattgtca tgccaagctc ttatgttggg gttccaaaat ttggttttat 240
cctttggaag cttgagacct caagatctaa gcttttgttc cttgaacatg tcgtggaaac 300
cttactcaag ataaggggag tctttccact tcttaaacct aaccttggtg tcttcaaaac 360
taggttcatt acatgtcggg gtgatggt 388

<210> 10472
<211> 133
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10472

atgtaaagat ccaggtacat tcagcatacc ttgtattata tggaacaata agtttgacaa 60
tgccatgcta gatntangag cttctgttag tgtgatgcct ttgtctattg ttaattctct 120
atctctcggg ccc 133

<210> 10473
<211> 422
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10473

agcttctcct ccaattntct ataaaattgg gggagaagtg aagtagacaa gggttcagcc 60
ccttaggcac ttctctcttt ctcgaaatag ctgaggaaaa ttagttccgt gaagaaaatc 120
caagccgagg cgcttcata acgtttccgt aacgtcttca tgagtgattt cgcgaagggt 180
ttcgaccatt cttcgacgtt cttcatcggt cttcagtctt caacgggtaa gtacctcaaa 240
ccaagctttt taattcattc tatgtaccgg tggtagacca catttggtt catgtagttt 300
tattctcagt ttcatttact ttttataccc ccttttgacg tgcttaagcc atttatttaa 360
gtcatttctc gcttaatcta aaaataaaat aaatttccac cgatcgcttg aattgtatca 420
tc 422

<210> 10474

<211> 260

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10474

tgcattgact gtatcccaat gagagtgtga tccttaaatt atgagagaaa cgactatcat 60
ttactactga tgtttgcatg aatctctgaa gtatggactg aatgcatgaa attgaggatg 120
atgaatgcc a tgtttgattg tgatacgcac ttatcctaaa agctgaccac atgcttgaat 180
gatttatccc ttgcaccag cttgagctta atgaatcacc gantgatcga accttgagcc 240
ttacagtgg tatcttctga 260

<210> 10475

<211> 526

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10475

accgtgantt gtctcctatc cgagatccct atactcacca tgcagctgca gcctgcaagc 60
tcgtctcgta cataatgcgg tgctcaacga tgatctatga actaggaccg acgagatgtg 120
gtgcaactgc tgggtgcgac gccatgttct cccgtcactc tctgcaatct atcttgaga 180

ttactgatca tctggatgaa taaaggaaat gaaatggcga tggagagata gtataacctt 240
agaccactct ctataccgta gcatgacgtg catcatatgt atatgcaaca acgatgttgc 300
cgcaatacac atgctagatg tggacagagt gatgatcact aagaaaagta cgaatgataa 360
agtgtagact ttagtntaga gaaacacaag gagagagcca ctcttgact atattgatag 420
ggaccatggc acagagagat gagagcaaag attagatcca gagagataga cactacgact 480
atcatgtgaa gtgatgacaa ccaaagtaat gctcacaact gtgctg 526

<210> 10476
<211> 164
<212> DNA
<213> Glycine max

<400> 10476

ttatacttgt atatttatat gaacacgctc tttctctctc tctctgtctt tcttctttcc 60
tgctgcagaa gtgcttctag gtttctacat aacactagga tacacttagt aatagcggat 120
gaacgtgagc atatctcact gcaattcgcg aaacttaact atac 164

<210> 10477
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10477

gataaataag aattcaatgt gtacattaca tcatgcctgt ggaaaaagct tataagaatt 60
atttgattct taactaacga agtccttgta agtttattgg cgcctagaga aattanacga 120
gagcttacga aaatgttgag gtgttaagtt aatattaact tacaagagaa gcttgacttc 180
ctcaactcat tatagattct tctccctcga gtggttggtg agaaatttat tcaaactgac 240
tcagtgcaat ggtattttctc atacattgga tattccacca ctgtttgctg agcttctcag 300
agtgtggctt ttaattagtc aaaattatcc tagaattcaa agaacaggaa gaagcattnt 360
ccatatattt ctaagaatat gcttgtagac t 391

<210> 10478
<211> 106
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10478

tcttactatc canacttcgt atagcctctt catagcttct tggatcatca tcatcatgat 60

aaacctcacc cgatgtgtca tctaggactc atcaatttaa tctatc 106

<210> 10479

<211> 316

<212> DNA

<213> Glycine max

<400> 10479

agcttcagaa ttcaatttcg agcgtctcaa tatattacgg gactcaatca gacatccgag 60

caaaacgtta ttgtcgtttg gattagttca gagcttcaga attcaatttc gatcgtctcg 120

atatattacg ggtctcaatc agacatctga ggataaaagt tattggcggt tgaatttgct 180

gagagcttca acattcaatt ttgagcgtgt cgatgtatta cgggacttaa tcagacattc 240

gagatataag ctattgctgc ttgaatttgc tgagagcttc aacattcatt tcgagtcgtc 300

ctttatttta cgggac 316

<210> 10480

<211> 139

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10480

gctctcagca aattcaaacg acaataactt tttttctcag atgtctgatt gagtcccgta 60

atctatcgag acgctcgaaa ttgaattctg aagctctgag ctaattcaaa cgacaataac 120

tntttactcg gatgtctga 139

<210> 10481

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10481

agcttatgcg catatttcct taaaaacgtt ctcttgacac agacattcta ttaaccgaaa 60

aaaaaaaaa atgcacccat atacaatcaa ggcagcttcg ttacctagat tatttacacg 120
 tacttccaag gtgtatttgt tacttacatc acacacatct ccttggctaa attcacatac 180
 atgcataccc aaagcatttt ggggtaccaa aaattgcaca tgtgcacatc ttggtatctc 240
 taatacctat acatacacia acttcatgat gaatcttgac tatctacaca ataaggtgct 300
 acatttcatg ctcttttcaa gtttttgcta cctaaagccg catgcaaatt caagtatatt 360
 ttccittgct gactaaaatt gtattcaaat taaaagggtat acattntttg gtaatgtatc 420
 ttctttacat aacatgcaac atatttatgt ata 453

<210> 10482
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10482

agcttattca caaatgggtg attgggttcc atattctaga tagaggatcg ataaacaaaa 60
 ctatggagat tagtgtatct tataattacc tcaacagtgg ccatttggaa tgcaaagagg 120
 gaaagtaata atatgatgaa gtatgaactc gaaaggaaag ctaagaataa aagagagtgg 180
 ttgtgagttg atcgaagtaa gagagggtta aatatatagt tgtagagtct tcaacactaa 240
 taccttcta gagagtgtga ggaatggcca cttccaagaa tctttttcaa gcagacaact 300
 catgccacta tataccaaaa aatttaatat aataataaca gagatcacca tttccagttg 360
 taaatgattt ttgtttcctt tcatttatct ntcagaaata ttactctgac aaataactag 420
 aataagagat acacgaatat atatatatat atatata 457

<210> 10483
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10483

agctttctca ttcattctat gtaccctggt tgggtccacat tntgtttcat gtatttttat 60
 tctcgttttc atttgctttt tataccccct ttgacgtgc ttaagccatt tatttaagtc 120
 atttctcgct taatctaaaa ataaaataaa tttccaccga tcgtttgaat tgtatcatcc 180

gttaatTTTtg gttaaataaa ttccgaccgt tCGgtCGtgc CGtaaccacg ttggaaataa 240
 aaaaagaggt aaaataataa tatactaate aaaaaatate ttttagtaaa gtaaagcgaa 300
 naatcaatcg gacgttttct ctttgggatt tctcattctt aattgaattg actaataact 360
 aaagtgaac taaggctaaa atcaaacttg cctagtgaag CTCgtccaca aaaataggtt 420
 ttttttttga aagttatcct ttcagtttct tacta 455

<210> 10484
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10484

tcaccatgga gatgcagcgg aaggcaaacg agaagaggag aaggaggcgc ccatccacta 60
 tggaataagc catggaagaa ggagcttcac caccaagatg agccttggat aagaagcttg 120
 gaaggatgct tcaatggagg aaaagaaaga cggagagaaa gagagaggcg ggagcacgat 180
 attcgaggaa taaaagaagg ggagaagtag aactttgaag tgtgtctcat aagactttca 240
 ttcatcanag ttacaacaag tggtacacat gct 273

<210> 10485
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 10485

agcttgaaat tgaacaaccg aagctctcca gatattcaaa tggttatgac ctatcacacg 60
 aaagactgat tcatgcgcac aatatatcga gacgctcgaa attgaacaac ggaagctctc 120
 cagaaattca aatgggtcata acttttcaaa tggaagtccg attcatgcgc ataatatatc 180
 gcgaagcttg aaattgagca acagaagctc tcgagaaatt cgaacggtca taacttatca 240
 cactgaagtc cgattgaagc gcataatata tcgagaggct cgaaattgaa caacggaagc 300
 tctcgagaaa ttcaaaggt cataacttgt caaacggaag tccgattctg gcgcatacta 360
 tatcgagaag cttgaaatgg aacaacagaa gctctc 396

<210> 10486

<211> 386
 <212> DNA
 <213> Glycine max

<400> 10486

aaaaaatgca cccatataca atcaaggcac cttacatacc tagattatct acacgtactt 60
 ccaaggtgta tttgttactt acatcacaca catcttcttg gctaaattca catacatgca 120
 tacccaaagc attttggggg accaaaaatt gcacatgtgc acaatctggg atctctaata 180
 cctatacata cacaaacttc atgatgaatc ttgactatct acacaataag gtgctacatt 240
 tcatgctctt ttaagttttt gctacctaaa gccgcatgca aattcaagta tattttcctt 300
 tgctgactaa aaatgtattc aaatttaaag gtatacatct tttgggaatg tatctcttta 360
 cataacatgc aacatatcta tgtata 386

<210> 10487
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 10487

cactaagatt tcagttcaat aactctttat atcctctctt tcttctacg gtaaagatta 60
 catcttcttt atcataatac aggtgctgta tttcccttgg atatacaagc ttttgggtatt 120
 tcaattctat tagaaagggt ttcataagatt aatgtgcaca tcattgggtca attcttatgg 180
 tccatggcaa ttaaagagtt ggatctgac taatg 215

<210> 10488
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 10488

agcttaatga aacaaacaac agcatattcc ttattcatat caattcaaaa tttaatgaga 60
 agaaaaagaa attaatgaag aattggctaa cctgtgatgc taacaaagga agaagaaggg 120
 atgacaaagg atgattggaa gagaaataaa gaaaatggaa gagagattga cgaacggagg 180
 aaggcacaaa aacacgtata ttatgaggaa caagagagag aaattttgag ggttgaaatc 240
 tttttaagac ataattgttc aagctatata tggaacagat tcccaaaaag ttaaaatttc 300

acaagctgga tatctgagct tcaacaaaag atctactgag agcttttact tttataaaaag 360
 ctaaaaaaaaa tttataacca aacactctta agaaataaaa aagatctttt tctgggtgat 420
 aagatggtaa aagatctttt gagttgc 447

<210> 10489
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10489

cgccggttgn tttgttccat cgattgctga cttaganact cagcttaca agtttccatt 60
 ggagcatata ttngnaatat gtttacttaa tgaagtggct atttaacaac cgtacttaat 120
 tcttctttta ttaaaaaaca ctttaattta aattaatgtg gtaaataaca ctctcttca 180
 cttacataag taatttttat aaattttaat tatgtgcagg gggcttaata taataacact 240
 cttaacatct actttaaatc tatgatatag tctctaagaa ctattctcca aaattgtcat 300
 tggaaaatgt ccaaaaggtc attaaaaaat atcaatatgt cttgaaaatg cctgaattat 360
 tcagaatatc attctaactc aaagtatatt gaaaatatat tctatatata gagtgaac 418

<210> 10490
 <211> 442
 <212> DNA
 <213> Glycine max
 <400> 10490

agcttggtgt atgacctgat gacgacttgt gttctctcgc acaactctga ggtctaacaa 60
 gctttgcata gctcttgact ccatatggaa tcgatcttga aataataaca attataatta 120
 ataactatth ttctagtgat aatttacggg aaaaaaatca acaaaattta atttgcatta 180
 cttggcaaga gtaaaactcca cttggtatat agttctccta tgactgccca agctatggct 240
 attgtgggat gagtagtaaa cgtacatgac tacatagtgc ctgtcactcc gccaatggaa 300
 tgacatagtg tggaaacatt gcataaccag gacacatagt tagaggcgca agcccaaaga 360
 ccctgagatg gcacaatatt atctagagga ataatatgtt gttattatca ctctgcccac 420
 gtttgatcac aaagctggta tg 442

<210> 10491
 <211> 281
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10491

 atgggtattc tagctctctc ttcctagcaa tattccccag attcaccaag atctttgagt 60
 tgtcttcaaa atattgcgtt gaagcttgca aataatggct gtaagaaagt cataacttga 120
 ttctcttaag ctggtggata tgtttgtttt ctttctagcc atatttcccc gatggcacca 180
 acatatnctt cagttgtact tcanacgttc tttggtggaa ctccattatt gttatgtctt 240
 ttaatgtatt agtgcgaata aaatttcttg taataagctg a 281

<210> 10492
 <211> 165
 <212> DNA
 <213> Glycine max

 <400> 10492

 agcttgtaca tgattctacc atggatttct cgtattttgt gcgactatcg atagatgcgt 60
 ggagctccta atttgtagga taaccctcga gagataactt cgttctttga gacgtgtgat 120
 cgagcactca tcttcttcaa tgttacatca cgtggcacac gggct 165

<210> 10493
 <211> 449
 <212> DNA
 <213> Glycine max

 <400> 10493

 agcttgtagt ggtccttgaa gttgttttat cgtcatgggt tctaaatctt tggtttctct 60
 gattgtcaca acaatgtgtt caaatttggg atctaacaag cgtagtatat tctccataat 120
 ttttacatct tctaacttct caccatttct ttttagttga tttgaaacaa cgagaattct 180
 tgagaaataa ttgaaaatgg actctaactc tttcatatgt aaggattcaa actcacctag 240
 taaagtttgg agacacacct tctttactct gtcttctctt ttgtgggagg attgaagctt 300
 atcccatgcc tccttagcag atgttgcatt agaaatcttc tcgaacacat catcatctaa 360
 tgcttgatag ataggaagag agctttcttg tctctcttct ttgaatcctt taaagactcc 420

ttttgtgcct cggatagtga agtctcatc

449

<210> 10494
<211> 175
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10494

actaatcatg tggttatgaa gaattctgtg atctcttata ttgctagact caatgttggt 60

aaagtctcta tgtatgacct acaagatcct atgtgatatt gtttaagaag tttgagatat 120

gaaaagattg acatatnttg tacattctgc ggtgcattca cttctatntg tatat 175

<210> 10495
<211> 400
<212> DNA
<213> Glycine max

<400> 10495

agcttgaata atcaaagtat aagtgtttga tatatgagct tattgaacta tagtatcata 60

acgttaagtg gacttatctc ttagattaac ttctcagat accaacctat tcagatgtac 120

acttaataat gatgatggaa taacattggc tgctctcccc attatgaaag tctgcctga 180

tatgttccca cactcgaagt tatacgtca ccaaccatt acaattctct ctcagacact 240

cagacataga taaatgatca tggcactggg tgggacggat tttatccgc actccattcg 300

ccagcgccca ttcattattg tttatgacag aaagggcgaa tgtattactg tacattgagt 360

tacgatgcac caaaattcgt ccactctaaa catctcatta 400

<210> 10496
<211> 319
<212> DNA
<213> Glycine max

<400> 10496

agcttctact tatgtggcag ggggggtttc cttcactttc ttgtttccaa cgcgagctct 60

gaccactgtt cttccttccc gcgatgcttc ttttcatgta cgctgagag ggcttatagc 120

ctataccata cttcccaaga ttaccttggg tttttattac actaaatatg cgcgcattgt 180

ctgttcctaa acccatcccg ggttcataac cgttcccaa cataactcgg gccatcatta 240

ccgccgcctc cgacagacaa agttgcccac aaaggaggtt cacggaggaa atgctgacca 300
cctcacaaga ctggaaagc 319

<210> 10497
<211> 195
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10497

gctagagctt agcccacata cctctctaata agctaagctc acctccttga gatgagaagc 60
tagagcttat ctacacaccc nctataatag ctaagctcac ccccatgaca aanaacatga 120
taatacaaaa aaagagtcct tactacaaag actactcata atgcgccaaa atacaaggct 180
aanaccctat actac 195

<210> 10498
<211> 315
<212> DNA
<213> Glycine max

<400> 10498

ggctcgcatc ttgctattga agactataaa gttacatatg ttatgataaa gtaatgaaaa 60
caaattcagc aaaatcatgt ttggctgcaa ccagtggaaa cacctagaag tttaatccac 120
atgtggtgaa gcataggaac tacatacgat ttataaaaga tattegcata ttcaagtgtc 180
gattgtgata tttctacaca cagatactag ggaacaaata ctactatttg ttatggggcca 240
tgctccagta ttcgattaca tacataatag tatcagtcgg tagagcttaa gcttgaacta 300
ccctgacaat acaat 315

<210> 10499
<211> 215
<212> DNA
<213> Glycine max

<400> 10499

actagggcaa atgaagatgg tgagaataag ggagaaaccc atgttgtgac tgccattcct 60
atacagccaa gtttcccacc aacccaacaa tgtcattact cagccaataa caaaccttct 120

ccttaccac caccagttta tccataaagg ccatccctaa atcaaccaca aaagcctgtc 180
taccgcactt caatgacgaa caccaccttt agcac 215

<210> 10500
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10500

agcttgagct cactattgct gccctataaa gccctcaaa actnntgctt ggtcgtgttc 60
ttcctttcgg gccttcttgg tttctcattc caaggcttca tcggtggcca tattgacatc 120
ccttagttca tcatactctt ttcagacttt gatgggtatg gacttgaact tctcttcgac 180
taccaggtct ctttcaagct ctgccttttag ggcttgtacc tcatcacttt cttccaaagc 240
tntaacctca tcgtctctca cagtcttttag atttgggagc caatccagtc cttgtgttcg 300
gactctcagc cacttatgat agccaccgat gatcccatc ctgcttcccc taagctctct 360
gtcctttctt cagcgcgcat cccatgcctt gcgaactcct tggagtacc tcgcgttctg 420
gtcactgaaa cctcgtgcga tgaaaggcgt gatgct 456

<210> 10501
<211> 115
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10501

aaatgcgaaa aaggatgacc ctagggctgc aaactcgtca atcccgtggg tatggctttt 60
gaaagggggg aaaagaaagt tttgaatgta aaaacgccc ccttttctgt cattc 115

<210> 10502
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10502

agcttgtggt tctcataatt ctctggtttt gctctgaatt ctttgttggg gggggctagt 60
tttttaatta agtatgcttg tttttcccaa aacaatgttt ttgaagcaaa tgggtttaac 120

ccaatttgcc aagtggattt gtgcattgga tactatgcta tcttgcacca actttgaggt 180
aataatgatt tttttaacaa tcgatatttg aagttagttt acaaattaag aagcgtctaa 240
tacgtgtaga atattaattt atttagtaaa aaatgatttc ttatttaata taaaatgtga 300
atgcgatttg cttgttggtg aaatgtattt tgagtanagt gtatgtgcaa tttccttgt 360
aatggacgta tacatgggaa acataataaa tgacatttga gatttgataa acatcaatac 420

<210> 10503
<211> 461
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10503

agcttctcca acagcataga gctaacttcc tgcaaatttc aaaataaaca agtatatcaa 60
gtagaatcta acaagaaaaa aaaaagagag aagccagcag taggaaagtg caaggaaagc 120
ataggtaaag atacgaaaga aacatcatac tgcaaccatg tgcagggagg aaatggagaa 180
attgaaagac ctgngtcact ctgactaaga agctggatc atcgaaccaa agttcagtaa 240
aaataaaaaac caaccaatat tataaatata aacaaaaaaa atgcccaaca ccacatatat 300
acattctctt tgccgctntg gtccatcctt gttaacatct gcactagcat tatcagtcct 360
gggggtgtct ctctttggag caacagcaaa agcctttggg ggtggtgaaa ctntctgcct 420
tggaggtaga gtatatcttg ccttcatgac attgccatct a 461

<210> 10504
<211> 547
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10504

cgacgtgata gtcctatgat ttatgtgcac tctagatact caagctngac ttgaccacaa 60
acttgagaat cacatatnta ttattgaatg tgcngatant ngagtacaat attnctaatt 120
taatcagtaa ttgatttca aattctaaat acgcagttac ttagaaatac aantttatca 180
gtcatgaana tcctattcga ttctctagtt aaagatatat gtangatgtg actaggattn 240
tagtaaagtc acgaccaacg canaattaac ttcatgcaag acatgttttg ctataccatt 300

gaacaaatat gtatatatcc aaggcanaag ctagaacaca agaacatata tattcngctg 360
 ctatatcaac aggacgtgnc ttttgcaagc atctcaagtc ggacgtcatt cataatztat 420
 natagaaaat tactagacta ttatacaact gtaacaatgt gagtcaaggg tatactanna 480
 tagataatgt gatatatcga gtgattgtga atatctgata ctatttatat atgatttgac 540
 acaatan 547

<210> 10505
 <211> 581
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10505

tagtcacgga cactccagac gcacacccgt tanttgaaa ttacagtaat tatcaacaac 60
 tcccacaacc gcgtgnttga gtccttcgca gaccgcganc tctagatcna cctgcagcac 120
 gcaagcttga accgcgacac aaacataaga ataacacggt catgagcnac gacaacccgg 180
 cggttcactt cggcggatga caactcgcga gcgacaagat acagcgacct cacagaacga 240
 atcatatcac accatgagat ggaacagccc cccacaacaa aacatgcatg ttccaccgat 300
 tcgaaacgac gcgggggcaa gcaaaccaac tgaacatccg accatgaccc ttccatcaac 360
 aacagcacia caacacctac aacagaaacg acacagcact gaggcactct ccctaccccc 420
 ccgaggaaaa gtacggacgc agacgacat cccaataagc agttcacaag agacaacacc 480
 accattccag atcgaaactc gaacgggctg atagagcctc acatgaacta caccagacc 540
 aacgaaaaga caccatcccg caccgaagtg cagaccccaa g 581

<210> 10506
 <211> 169
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10506

tcttaatact ctgacgatac gatattcttt ggagaagcat ctatggcaaa tgtcataact 60
 gtgaagggtta ttctcangag ttttgagctg gtttctggat tgagaattaa ttntgctaag 120
 agcaaatttg gagctgttgg tcaatctaag gagtggtgtc ttcattgtg 169

<210> 10507
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 10507

gcttcaatct gatcactaag atgatgcaat cttattccgc aagggcattg ggtataagac 60
 tccaacttga tggggcttca gatccaaggg aaagccctag ggatctcatg agccttaagg 120
 tagatatcca gcccatgggc taatgatgag cccgcttata tttgtaaata ttacaatacg 180
 tgctttcttc agctgggcct tgtattgctg agcactctag aactatatgg ctttagcctt 240
 gtatttcggc gcattcttag tagtcattgg agtaaagact tttttctgta ttttcatgtc 300
 ttttgccatg ggggtgagct tagctaatat tgtgggtgtg t 341

<210> 10508
 <211> 283
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10508

gagatgaaat tcagagattg gacctcttgc tagttgttat taatgaatag cttaaact 60
 tgtgcttgag tgaaacagta gccgtgagac tgtggtttaa gctaattttc ttgatattctg 120
 tcttatgatt agctccatct aattgttcaa attacattnt attcttctct ttggataact 180
 gcataccttg tgaaaggcaa gtgatgaggg cattntactc cattctctta tcatgcaatc 240
 agtaactctt gtagcataca cctttgtaca tagtcaactgc atg 283

<210> 10509
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 10509

agcttccatc aagtggtaat tagagcacia gagcttcaag taggtgctcc ttaaactcc 60
 attaattttt tgctttacct tctcttccat tgtagtttct tcatttttct ccatgtatct 120
 cctcacatgt cttgtcctaa atgttgataa cattattctt taaagtttcc accgattaaa 180

cttgctatag aagctagatc tgattttcta tgggtcaaat atcttggtct tgatcttgaa 240
ccatgaattg tgttgagttt aagatccttt gagctttgtc ttgttattgt ttgtggctta 300
aacctaaacc ataaaattct tacaaaaata ttaatgtaga agacaacctc aaaaatctat 360
agtgacttgt tcacctattg tagttttgtc atataagtca tgtctagtca tgaaacttgt 420
cacataagat ttcttatggt gtgctga 447

<210> 10510
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10510

attgatcatc ctactaggac gactgagaaa actgtggcaa ataaagaggg tgaggatgag 60
ggagaaaccc atgctgtgac tgccattcct gtacggccaa gtttcccacc aaccaacaa 120
tatctntact cagccaataa caaactttct ccttaccac caccagtta tccacaaagg 180
ccatncctaa atctaccaca aagtctgtct accgcacttt caatgacgaa caccaccttt 240
agcacanacc anaaaaacac caacaa 266

<210> 10511
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10511

agcctttgca tgtttagaga tttctatata gagaaaggtc caagttccag atatttttga 60
gagcttttgt tgtgcgaaga ctggtagaga actgagcatg aacaggaagc cgtcttgaca 120
gcatgagatg agtctgtgag tgattgtgag gttctagagg tgaaggagac atccccacta 180
cttgtgtttc ttcaatcctt catttttctc ttctttctgt tgtaaaggaa gcttcccaga 240
tatagagagc taaatcctct gttggntcct ccttgtaggt acttgatgta aatacctgta 300
tatctatnta atgatgtttt atgtgttctt tgtgctatca gtatgtcatt tcagtgtgct 360
cttgccctga tcacgtagat gcatctcttt gtaggatcat tcaacagtgg aaactggctc 420
gattctt 427

<210> 10512
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10512

ttataatatt cttaaactga gattttccta tgctgtatTT tgaatgtatt gttatgtctc 60
 tttatataacc aattgttttt ctaatcagct aaagaaaata tattactgat ggtacaagga 120
 gtaccatgtc tcgtatacaa ttgtgtgtat gatgcgcttc aaccctaaac aatgcagcct 180
 tcctaatagca gagaaaaatt tacatcccat ntaaaccaaa acatatctca gcaactgcaa 240
 ttgaaaccct gcagcagcat aacaacanat canagcttgt caactaacta nactaaaact 300
 aatanagttt acaaca 316

<210> 10513
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 10513

agctcgaacc tgatacacct aagtcggtg atcttactag actttatgat accaagtagg 60
 actccaccgc taactgtgtc atcaagctcc tcacaccact acttgtttgg ggtcatatgg 120
 aatcaacaca cagagtccca gatccatttt gtctcactgt tatcatgaga caccattaaa 180
 gcctcagctg actcatatcc atcttcaact atagcagtat ttctagggac tttagatcaa 240
 tcatgcatgt gccctttttg tctaccagga caaaatcttc gagtatgacc ttctctttac 300
 agtgataaca tatactgtct ggtacattag atccacatcg acatcgtgac taggatctat 360
 tcctttctgc cttataatac tacttatact gtc 393

<210> 10514
 <211> 555
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10514

cgccgcggtg tttgtctcca tcttaccggc actatgagac tcagctatat tatagtgtaa 60

agaaatacga agtttgagct tgntataata tagatatgat ataccataat ctcatattgc 120
 cgtgtgttaa taaactctcc gatttcacgc agagatactg tttcaatcat cacatgacta 180
 aatatcagaa aagattgatt tctattatat atataaccag taaaggatat tctcatgact 240
 atggatcact tgcacaanta agaaaatact acatgtgata tgggtctcctc tattaaccat 300
 atattctagg tggcatgcaa gaaggtaa atcatgtgcat atgatattta ttgtattaaa 360
 gaagagtctc tagactagtt atcatatcaa atatcttctt gcccaacact tgaacactca 420
 tttgggatga ctcatagtc tatatcaatc gtagacatgg ggatataagg ctaatcacga 480
 gagatacacc ctctactat gatactgagt acattttact tagaacacta aaaatatgtg 540
 attttatctc ttacg 555

<210> 10515
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10515

agcttgaacg agagagagac ctctaagtga tgcaaagagg agccgacggg gagctcacga 60
 taggtgaggg gagttattat aaaatttacc gttttgacac catagttagg gtcaggggaac 120
 ctagctatga gaatatccgc ctgttctctgt tgcattgtga ttttctttca agaaaactat 180
 gttttaaact aatgggatgc gatatatata ttgttgatga ataacattat tgtttattaa 240
 acttgtgttg tttgaagact tggggagtgt ggacctcggg catgaaaaat atattttag 300
 aagcaaata gaatgtgtt ttgataatga tcatgatgat ttgatgcaa tgggcttttc 360
 aagtttaaat tcaagataat gattcaagaa tacaagccac aacatcaaga tgatcactag 420
 tattntagga aggaattcc taattgatat 450

<210> 10516
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10516

tgtcttctct tactccaacc taactccac atccacacc tcgattngaa tatggacaaa 60

gctaggttgg tctatggctt ggtaaccaac atggatatga acattggagc ccttatctca 120
 ngtcagatatt cttctattgc tcagagtaac tcctctaggc tcggatttcc agccttgatc 180
 actaccctat gcagagctag aggaagtacc tctaacagcc tgacctatga gagcttgagc 240
 ccggcattaa cttggctaca 260

<210> 10517
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 10517

agcttagcgg attaggtctt cgctggcgaa aggatcaaag tgggtatgga aagaggcaaa 60
 tatgattatc ctgctttgat gaatgcgaaa actggggcaa atgaaaaggg tgagaatgaa 120
 ggagaaaccc atgctgcgac tgccgttcct acatggaaac tcccccgcca gctcaacaac 180
 atcattactc agccaatatc agcccttctc attaccacc acccagtcac ccataaaggc 240
 catccctaaa tcaaccacaa agcctgtcta ccacacttcc aaagacgaac accacctcta 300
 gcacaaaccc aaagcaccaa ccaagagatg aattgtgcag cgaaaaaacc tgtagaattc 360
 accccaattc cgggtgtctta tgatgacttg ctcccatatc cactcgatta ttcaatgata 420
 gccatgaccc c 431

<210> 10518
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10518

ngatggtacg ctaagcctca catctanagc taagtgcata tngcagaaaa agttgcgtng 60
 cagaaagtgc taagcacagc ttattgtgct aagccccaga tgctcactgg actntacaac 120
 ttcaagttgg gcttatcgcg aggttaggct aagcacttgn gttntaaac tcaaacgtca 180
 catgggcacg ctaagcacag ctgtgcacta agcgcgccat acanaatttc aattttatta 240
 aaaccaaagg ctaaggcact tgnngtgtac cccacatacc tntagcttct cttttgtaa 300
 acctgagcaa gtgtgtattc tgctgcgtgt gtgactgctt gcagcatctc tttggtcatt 360
 caatcacatc aagaagtgga catttcatnt attttcatcc tcaacctang ataatactct 420

cgttcttatn gatgtgtaag taagttttta gttaggtagc atttggattn acgtactaca 480
gccatagggg aatggctn 498

<210> 10519
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10519

agcttctaca ttcaatttcg agcttttcga tatattacgg gactcaatcg gacatccgag 60
taaaaagtta ttgtagattg aatttgctca tggcttcggt attccatttc gagcgtctcg 120
atatattacg ggactcaatc ggacatccga gtaaaaagtt attgttggtt gaatttgctc 180
agagcttcgg tattccattt cgagcatctc gatatattac gggactcaat cagacatccg 240
agtaaaaagt tattgtcggt tgaatttgct canggcttcg gtattccatt tcgagcgtct 300
cgatgtatta cgggactcaa tcagacatcc gagtaaaaag ttattggctg ttgaatttgc 360
tcagagcttc tacattcaat ttcgagcgtt tcgatattt acgggactca atcagacatc 420
cgagta 426

<210> 10520
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10520

ctcggatgtc tgattgagtc ccgcaatata tcgagacgct cgaaatggaa taccgaagct 60
ctgagcaaatt tcaaacgaca ataactctnt actcggatgt cagattgagt cccgtaatat 120
atcgagacgc tcgaaatgga ataccgaagc tctgaacaaa ttcaaacgac aataacattt 180
tactcggatg tctgattgag tcccgaatat atcgagacgc tcgaaattga ataccgaagc 240
tctgagcaaa ttcaaacgac gaatcacttt tactcggatg tctgattgag tcccgtaata 300
tatcgagacg ctc 313

<210> 10521
<211> 451

<212> DNA
<213> Glycine max

<400> 10521

agctgtgtat ggtagagatc cacctactct ggtgagatat caaccagaca tcaactgatgt 60
tccaactgtg taggagcaat tgactgctag agatgaattt ttgagacaat tgcaggataa 120
tttgatgaag gcttatacat atatgaagaa tcaggctgat aagaaaagtc aagatgtcaa 180
tctacaggtg ggagacttgg ttctagttaa actactacca tacaacaac attcagctgc 240
tcttagaaag aatcataagt tgggaatgca cttctttggc ccctttaaaa ttctggccag 300
agtaagagca gtggcctaca agttagagtt acctgcagaa gctagaatac ataatgtctt 360
ccatgtctct cagctgaagt tgtttaaagg aacaccagga gaacagtact tgcctttacc 420
ttaaactaca acagaaagtg gaccaattat t 451

<210> 10522
<211> 201
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10522

ttccttctgg agagtcactt gctctntgat agttgtcaca cctctgaaca tattcataag 60
catccttgtg caaggtaggc caataaaaac tagattgaag gaccttggca gtagtcctct 120
ctccatcgta attgccttca caatgtgaac tatggcaatg ccacaatatg cttcttgctt 180
ccacctaagt tacacatctt c 201

<210> 10523
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10523

caagcttcgg aaatgatttc tatacaaaag ttagtcgtat gaagcgacta acaacattca 60
tatccatata ttataagaac aactaatcaa cctttgggtg atccataaat gtcttataat 120
aatgaacttc aattaacca taaaccaata atctataatt tagcatccat tctatgggta 180
attgaaataa aattgtcact aatttggat taaacaaaac atacagattt gaccactgtg 240

gtgatcacaa atctatcata tatttaaatcc aaattacttt atccaatttt aaattgaaat 300
 tgacgtaagg gagagatatt gaatttcaat tcaagacatt caaaaattgg attcaaggca 360
 ttccaaactc gaaaacaatt ataatatgca caacggaaaa tcaaattggtt tgaataattn 420
 tccaattgga atcagattca tacaatgtat gg 452

<210> 10524
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10524

aagaacttca agactgtgct tcggacacgt tcattcattc tgagccttac ggtctcctac 60
 atcgaggctt catctgtggc catcatgaca tcctttaatg catcagactc tattgagact 120
 acgatgagta tggacaataa catctattcg actaccata caatttcaag ctgagccttt 180
 atggctcgta cctcatgact ttgttcctga gccataacct gatttgagtc acagtctcta 240
 tgagtgggag ccagttcatt tcttgtgctc ggactctcac ccacttatga taccaccga 300
 tgatccatt actgctctc ctaaaacttc tgtgccatct tcacgcctcg taccatgcct 360
 atcgaactca ttggataccc gagcgttgtg gactctgata ccttatgcga tgatangcgt 420
 tatgcttn 428

<210> 10525
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10525

agcttatact taagcatata tttattttat cttctaactt atatagttac ttacgtcata 60
 ctcttttgtt tcaccgatct tatctcccg tctcttaaca aaagtctctc tcaaaaccaa 120
 cctgcgaagt ccaggaatct acttcagtca cgtccagtat aaggtctaac cttagatttt 180
 gttaagtaca ttaaataattt tatatatattt taaaatattc gtatatattt tttttattta 240
 cttattttat aaactataat tatattaaaa aacaatgttg cttccatttg attntccatc 300
 ctaacgtatg tttagttaat caatccgaat catatcaact taattatggt ttgttattat 360

attaatttta aattgaaaca accttaaaga atttacattg aatcttacta tanacttgct 420
 ttttaagataa aaatatctat acgcaaatta ctcttat 457

<210> 10526
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10526

ctttacttct tggttagtg atagatccgc cacagccttg gcacatacaa gatcaatact 60
 gaatacttca acanacctt tactactaat ggatccggtg atttcagggt tggaatggct 120
 aaaaaaatca cctacagtgt ctaacacgac atcaaattat catgtctttc acatcaaacc 180
 gaactggnaa atacattntg gctacttagt acttaccatc agaaaataaa tatatttaag 240
 aatttaagag ggagatacct gcggaagtgg aataatngat agaatatcaa tgat 294

<210> 10527
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10527

gtcgttcaac ggcacgatga gttgtcgca tcgcnaccg cgaaactcta aggcgacctg 60
 caggctgcag tctgtaatac agatagcgcc ctctttatgt tcttatgagc cgtcggttga 120
 tctcccgata cgtgcctcga aatatcataa aattgtccct tctgacaaca tatttagggc 180
 catgggacct atccttgaga ataategatt agtcctgtca cttgctgatt ttgtatcctg 240
 aaagcttcgc tgcaaaactac cgcgaaatcta gtttaataa gacattaagt ttcagcactg 300
 tttattatga atagagttag gtgaatactc gcggattgat gacctctggc atgaacacta 360
 tctttgtaga agcgcaagac tttggcgtct gaataacgaa cttgatgatg ttatgcgcac 420
 gggcttctta agttaaatc tgcattgat tctacataca gtccactatt tatacacgag 480
 acttgatttg atgaaggaag tctaataac cc 512

<210> 10528
 <211> 202

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10528

 atctctaaca atagtttgtc ataattaa ccaaggatgt ggattcaata tgtttaaccc 60
 acaaanttag agaactagag tagtagtctc gaataacata gatccttggt gataattcgc 120
 aatatcgagt ttgagctata agcatntgt cacattatct taattgtaat tggctctcaa 180
 atgatccac atatctttaa ca 202

<210> 10529
 <211> 423
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10529

 agcttgctgg aagctngctg attggatatt tctactggtg agggagcttg tgtgtttggt 60
 tggaatatgg ctctttgagg tggctgaagg aaaatctctc taagccttcc catatcctca 120
 ttgtggacat gaatatgttg tcttctaggt ggtggtgctg gaaaattgca aattgctcaa 180
 aatttggtaa attagcttgt cttccaccct aaagcctana aatttacatg ttcatgcaca 240
 taaatagcat aagtatacca aggagtgggt gggagagggt cctttaatat gatcatattg 300
 ttcattggct tccctgctct taaaaagaat tccattacta caaaaaatta ggctcttgct 360
 gtcttccttt tgcattcttg acattagtat ttgattgtta attcatttac caattgtgaa 420
 atc 423

<210> 10530
 <211> 369
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10530

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 actntaaccc ggtattcaaa tgctggattn tccagcattc ttactttctc atggatgagt 120
 cctttagtaa ctctaaggaa tgagaagact ttagagcgtg aggatctccc acatcttgct 180

actaatgaca gtgtggatgg gattttgcaa ctcttcaaac aaacttgagt cagagtgtgg 240
tagtgtgata acaaccctac ganaatatga nggtactgca cagatgaaca acactatgct 300
agtgtgataa caacccttct tacnactatc aatcaaccct gcttctagtg tatggttgtg 360
ataacacta 369

<210> 10531
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10531

agcttgtgca aatcaaata ctcctaagtt tcatctctag catgcanttt ttttctttac 60
ccactcctca cgtttggttt tatagggaaa aacaccataa ctaaacgcgc cgcaagggat 120
ccctatcgca ccagatccaa atctagaacg atgggtgatc aagaggagac gcaggaacag 180
atgaaagccg acatgtcggc tctgaaagaa caaatggctt tcatgatgga ggccatgtta 240
agtatgaagc agctcataga gaagaacgcg gccaccgcgc ccgctgtcag ttcggctgcc 300
gaagcagacc cgactctctt ggcaactacg caccatcctc cctcaaacat agtatgaccg 360
ggaagggaca cactggggca cgatggcagc cctcacctgg gatacaaccg agcggcttac 420
ccttatggat tgccgccccaa ctattcacca cccg 454

<210> 10532
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10532

ttcgctcgtc aaactccact aacaataaag aatagaanaa caaaactaaa acatacaatc 60
tatgtaacca ttgcgtgtgg ctatctaaac aaacaacact ctgcgcatcct aagcgtgtaa 120
ctatcacact taattcacca ttgngcccaa tcaactgccac caatcctcct aagtcttgat 180
ggtcgttaaa aatcatgtgg atgtcagtcg ggagcaatct ctacatatgg gtacatcgta 240
caccaacctc tcatctncta actcanaaag catagtctca nagtttgcag gagtaac 297

<210> 10533

<211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10533

agcttctaaa aaatgctgct ctaggtacta tttgaattgt atcgctcaaa ttacatgacc 60
 aactaatcta gcattaatgt ttggtttggg tgtggccata aagcacatgg cttttcttaa 120
 taaccaagtt aggttcatca atgcatccat ttggtgcttc catggataat gcctgtcatt 180
 aattattgac caatgaaatg gaaaggggaa agacaaagag aaacaaaatc atgctgaaga 240
 taagcaacta cttgtaaatt cactcatttg gaaaacttga aatggggccag gtatttcggc 300
 tgtacgtggc ccacatagta caacttgaaa caccatttct tgaacacaac aaaattattt 360
 atagaccana aaaagagaaa cacaattact tcatattctt ttgtccacct aaaaccacta 420
 tatttcgttg acagcaaacc atgcttt 447

<210> 10534
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10534

cgtcatgtga attcctaacc tcttattgaa tatatatata tatatatata tgggtgattg 60
 taatttataaa ataattaata cagacataga ttatatctta taagagaaaa ctgaacatca 120
 tttctaattt aaatctttta taaataagaa gggaagtagt ataagtgcgg aggaggtagt 180
 attaaaaata tatattnttc cctccacttc ngtcattggtg gaaatgtgcg gntacactt 240
 acagatgcat atttccttcg tcgtttcctg tccaatattc tgggtgcaaatt tggattttta 300
 agtggtataa tcctaggaaa tga 323

<210> 10535
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 10535

agcttcgtcc tcagatccat cttgttggac taggctcaac ttaagcagcc catgtaggtt 60

tagactaatt taaactaagc ttcgtccgca gatccctcat ttaagactag gctcagctta 120
aacagattac gtaagtttag actaatttaa cctaagcttc atcctcagat cctctttggt 180
ggacttggct taaattaaac aacattatca tcacaacata ttaagaaaac taaaacttaa 240
tcctcagatc ctacttggtg gactaagttt caatcctgct tctatgaagt tctaaggcaa 300
cagtacattt ctcaatgcta aagtcaccta actagacata caaatgggtg atcagaccaa 360
gagcatgcag aaattaagca ttgaaagaag cattgaacac aggaaacaca atcaattaga 420
tattaacata attacatcag ctattcctta gaa 453

<210> 10536
<211> 426
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10536

agctnntggc acanagaaga agaagaagtt catagagatt caaggcttgt aaaggattct 60
ataagattaa ttggattgat agaaagattg attgaaaatg caaaacaaag ccttgctttt 120
atagactctt catgtctggt cacgagaacc atttagaaga gttatgactt ttagaaaaac 180
ttaaaccacaa tttgaaaaag tcaaaaacca tttgaagagt tacatctttt gatttattta 240
gaaacaatca ctggtaatca attaccaat cagtgtaatc gattacacaa agctttttatg 300
tgaaaggatg tgactcatca catttgaatt tgaatttcaa cgttcaaagg cactggtaat 360
cgattaccaa aacattgtaa tcgattacag ctttttgaaa tcaattggaa cgttgtaaat 420
ttcagt 426

<210> 10537
<211> 188
<212> DNA
<213> Glycine max
<400> 10537

atcaatacaa tgcttatagg ttggaccttc cacaagtgta tggagtcaac accactttta 60
acattttctga tttaattcct cttgcagggtg gagctaatat tgaggaggag gaaccaacag 120
aattgaggtc aaatcctctt caaggggaag gggatgatgc aatcctcctt acgaaggag 180
caatcact 188

<210> 10538
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10538

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agctntntcc tcatgaaaca agtcgaacct gatctgctgg tcttctatgg ccatttatag 60
tttcctcttc cccatgtcta ccacacggct tactgtagac ataaaaggtc ttccaagaat 120
tatgggaatg ccaacatctt cttcaatgtc tatcactaca aaaccagctg gaaatatcaa 180
atgtttgacc ctaacaaaaa tgtctataat cactccatag ggtcttgtga tggagcgatc 240
agccaactgt aaggtcatac gagtgggcat tatctctaac tctccaagtc accgacacat 300
ggagagtggc attaaattga tactgggtcc caagtcaatg agagtcttgc ctactgtaac 360
ctcaccaata gaacatggta ttgtgacact acctggatct ttatgcttca atggaaggat 420
acattgtatg aatgcactgc 440
```

<210> 10539
 <211> 157
 <212> DNA
 <213> Glycine max

<400> 10539

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ctctaatacat tgatggtgga agttgtacca atgttgcaag cactagatta gtggagaagc 60
ttggtttaaa accacccctc accctaagcc ttataagttg caatgggtga gtgacaatgg 120
tgagttgggt gtggataagc aagtgttact tacattc 157
```

<210> 10540
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 10540

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agcttcagcc ttagtgccc atttctgctc caaatcgca aaggagggca ttttcggagt 60
cgtgaagcgt gtctctacgt gtgggacttc gaaatttcag gtttgggtgg acttctttct 120
cctttgattt tcgtgggtat ggggttttgg gagatatgat gggtagtctt gctagggttt 180
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tgctttatga tgattatttg tgaagaaatt tgtggaaagc atgttgaact tgccatgttt 240
 ggatgagtta aacataccca ttcagtttta gggtttttat gatgatgctt gtgatgctta 300
 tgtgctgaaa ttgcttatgg aaaactgtta gagatgaagg atagagttaa cctacggtta 360
 taaggtgaga gtatggtggt gtgagtggaa aaagagtg 398

<210> 10541
 <211> 127
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10541

tctatcaact ggagcatatg tttntcata atntatactc tcttcttgat tatatcactt 60
 ggctactaat cttgccttat ttctaataac tatgccattn tcatctaatac tgtttctaaa 120
 cacccat 127

<210> 10542
 <211> 147
 <212> DNA
 <213> Glycine max

<400> 10542
 tctaaacaaa taaacacgag atgttgcaag tttgtacccc cactcatacg agatcgattc 60
 acggatgact ctatcactta ggactttccc cttttctgtc aatgattaca ggggtgtattg 120
 aaactttagt atctatacaa ggattta 147

<210> 10543
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10543

agctntgtat ttgtgatagt caatgagagc cctactaatg aatttaaata acaaaaaggg 60
 ttaagacaag ggagtcattt ggcgcctttt ttattcctag tggtgagtga agtgtaaaat 120
 ccacattact gattttaatt atggcaaacc tttagcaatg caaattgtaa ggggtgatgag 180
 ttttatatga tgactaacat tatgctcaag tatttaagtg ttaaacttac taagaagaag 240

atgtgttcat tgtaacaccc tgacgaatca cactagaaag agatggatct agaggctttg 300
catgtatgag actgtacaat tgaggatgac ttaaaggaat taattggtac tacctatacc 360
aacaagatgc atctactttt tggtagccca tcaactaaga actccatagt taagcatgct 420
tggcttggag tagttatggg atgggtgacc ttctg 455

<210> 10544
<211> 118
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10544

taatagcaaa caaagctagn tatgacgatt tccatactag ttcttgaatt ttctgcacct 60
tttcttttaa tgcatagtac atgtactgat gttcatttct atgataagca taggtcta 118

<210> 10545
<211> 453
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10545

agcttatatg tgtaacaccc taagatatta ttaattatat attgatgttt aattgtattt 60
atcgtgttat ttgactatat ggttggcttg aatgagttga ggtatgactt gaattagtca 120
tgtatgaatt tcttgatgtg gatgttgagt tatgtggagt tctgttgagc taagttgaaa 180
ttatgagatt tcaaatttta cctaaaccca tcttagtaaa atcgcaatct cggattcgtt 240
aatcgttggga ttgtcttcaa atgttttttg gaggtttcta agacaactct ccacattctg 300
accgttggga tctgcaaaat aacatcttga gtatgagata tgactttnta ccanagcaga 360
aaaatttgaa ctggatcagt tcaccagcg agtgttgcag gcctcaaata tgtccagcag 420
cgtanaccaa tcattcttctt cctccctctc ttc 453

<210> 10546
<211> 396
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10546

attcactacc aactaagcat ccagtagaaa tagtggttct gatgataaaa taaatagtga 60
 ttctgcctca cagttattag agtttactaa cgatgcagaa ttaattatgt ctttagcaat 120
 attaaacatc taaaagacca taatgaaagc taagttagaa aggttcacaa gactatatga 180
 atggtgcatg aacttgaata tcatatagct tgagttgtga attgngagca acttactttt 240
 ggaaggccaa aagaacaagt catgatttgt tgtcacagct tcatggagta tattttatcc 300
 ctccaaatct ataactanag gatctggaaa agctaaaatt tccttttatt tcaagagaga 360
 attatatata ctgtcttctc aatcacttag aatact 396

<210> 10547
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10547

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 aggagacttt tgggtccaaga tgcaagtttt tcctcactcc taaaacagtt ctgtcgcagc 120
 gtgggctaca acaagatgac gataaaaaga taaaagagg tattccaaaa agaaaatctg 180
 ggaaagtgcg cactaacatt tatttaagga aaaggttggg aaaacaaaa aggataagga 240
 atggtacggg ttgagaaaaa ggattcggga gtcgtttacg tacggcgaag gtgttagcat 300
 cctacgcacc tgtcatgaag atgacaacct ttaatcaagt gtgctaaaaa taaagtaaca 360
 ctttaattat atatttttcc tttagaaaaa gaaagncgaa ttttattttt tagaaaaaaa 420
 tggatttttt ttaggtcgac atg 443

<210> 10548
 <211> 150
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10548

tgtgcggttc tcttgtggat ccgagaagtt ccacgtgctt cttggttact tgtggtatta 60
 atgggctgca tgggtatctt agtgggctgc atgggtgcct ctatggtact tatctcgcta 120
 tcaattcccn cgtcttgaa ataaaccttg 150

<210> 10549
 <211> 524
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10549

gtaatttccc ggggacctgt tntttgtgtt aatgcaggac cgggatactc acaggcgagc 60
 tgcggccttc aagctcgttt cgcatataat aagacgaatc actttttatat tctagagctg 120
 taacagattt catgtgatta attggattga tagaaacatt gattgataat gcataaccat 180
 acctcgcttt tctagactat taatggctgg gcactagaac catttagaca tagatatcgc 240
 tttttccaat taccttacct caacctgacg aactcaaat ccatctgcag aaatactggt 300
 gtcgctttat acatactacc tgactggaga tcgatgacca aaacaaggag atcgaatgcc 360
 caagagtttt ctgtgatatg atgtgactca tgacatttga attccaatgt taacattcta 420
 aggcactggg aatcgataac ccaaacattg gactcgacta caagttatat acaaacaacg 480
 tatctgtgtg gattcactag caaccttttg ctatcacttg tgcg 524

<210> 10550
 <211> 238
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10550

tagaaacaca attaattaag gggtgaggac aaattacaat acaaaagaga tataagattg 60
 attntttcat gattggaaaa gggaaagaga ggtgagagag aatacattta taacaaaact 120
 aanaaattaa tatttatcag atgaaaaaaaa ttacaattca agtgcataca acaaccatga 180
 gccaatactt acttttggtn tcttanaata gaatgatgaa nacaaaataa cagtacac 238

<210> 10551
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10551

agctngactt taaccocatta ttgcttgtcc tatcaagtca ccactcgctc taaacaaatc 60
cacaggattt gttgcaagtt tgtacaataa ctaatacgtg atcgtcttat ggatgaatat 120
attacttagc acttttagtct tttctctcaa gggtttacaag ggggttttgaa agtttagtat 180
ttatacaaag atttacaaaa agctttataa gaaagaatga aagaatatgt tcacgcaaga 240
taattcgat cttgcttctt taaaacttct tctatttata gcttccatct tcaaataattt 300
gttgctcac aacagggtgga ttcttacta tgttctttgt ctgaagtctt gagctcgctg 360
gagaatttaa cacgtccatt cttcatgaag gttcatgctg gtaggcaagc gtgccttata 420
cttcaacaga taaagt 436

<210> 10552
<211> 162
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10552

cacgatccat gattcgatca tcttctgtga gaaatngagg cggaatgact ggattaacca 60
caaacctctg caacttatgc gatntaatga ctggttcaac gtgttgctgc cagtgtagat 120
agttggaatc atccaatttc tcagctatcg ttgtcggaaa tg 162

<210> 10553
<211> 404
<212> DNA
<213> Glycine max
<400> 10553

aacttaagca gctgggctgc ggcttgtgaa ggagcagata gcccttctgt ttgctatac 60
catgataggg agtgtacggc ggtgtcagat ggcgactctt ttactgctac tggcgagtga 120
caagaactat acacacctct gatagccaat atggcatacc caccaccctt ctttgagtga 180
tgctgatgag atttctctga cgactcagat tctggagcaa gactgatctg atcaactgac 240
taagaataca gagacaccga tgttatccgc tgatgaacaa cactacaaag agatagacct 300
agatgctttg acaggctgaa actgctcgca ctatgatgac ttactcgacc ctcatcaaat 360
catcattact atcaagaggc ttctccgcac tattttcaaa aatc 404

<210> 10554
 <211> 149
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10554

acctgtaacc ttgaaaaata tagntgccat cataccacta agctatcata actatttgat 60
 gaataaatgc ataaattaat atatatcata aatgtactaa ttttctatta atcataccga 120
 gttatacacg tcaattagtg acttatgtg 149

<210> 10555
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10555

agcttggttaa agaanttaga aaaaatctag aattagcttg ttcacacatc gttcgcgtgt 60
 atgatatcca ctccacaagg tttgaagttg aggagacctt caatcctatt acgcaacgtg 120
 gcggacaaaa gtgggcagtt aacttgaatg gtcattgattg tcaatgcgga aggtattcta 180
 cacttcacta tccatgttca cacattattg cagattgtgg ttacgtgagc atgaactact 240
 attaatatat agatgttggt tacacaaatg aacacatctt aaaagcttac tccgcacaat 300
 agtggcctct tgggaatgaa gtggctattc ctcttcttaa tgacacatgg acacttatcc 360
 ctgaccaaac taccaattgt gcgaaaggtc ggccaaaatc aacaaggata aggaatgaga 420
 tggattgngt cgaaccatct gagcaccga 449

<210> 10556
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10556

atcaaaagat gtaactcttc anaaggtttt tgacttattc aaattggttt taagtctttc 60
 taaaagttat aactcttcta aatggttgtc ttgaccagac atgaagagtc tataaaagca 120
 aggctttgaa ttgcttttca atacattcat tcattcaatc ttgaatactt ttccaatcaa 180

tctcttacaa tcctttacan agccttgaat cttttgaact tcttcttctt ctttgtacca 240
aaagctntat gaagttntct ggtntctaaa cattgaaaac ttgtgctatt catcctcttc 300
attcccttc 309

<210> 10557
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10557

agcttccgtt ntcaatttgg agcatctatc gattaattgc gacactctgt cgggcatccg 60
agtaaaaagt tattgttggt tgaattttct aagagtttcc gttttgtatt tgaagcgtct 120
cgatatatta cgggactcaa ccggacatcc gtgtataaag ttattgtcat tacaatttgt 180
tcagagcttg tagtctcaat tttgagcgtc tcgatatatt acccgattta atcggacatc 240
cgagtaaaaa gatactgtcg tttgaatttg atacctgctt ctgttttcaa tttggagcat 300
ctcgatatat tacgagactc tctcgaacat ccgagtaaaa agttatcatc gattgaatnt 360
gctacgacct tccgttttca attcggagcg tctcgatata ttacgggact caaccggaca 420
ttcgtgtata aagttattgt cat 443

<210> 10558
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10558

agcttctagc caaatggact taccgtgaat taattccttt gatagccctt ttgagccttg 60
tttccctttc cttgttttga agctcactac aagccttaaa tgaaaaacca tgatatcacc 120
atataccttaa ggaatttttg agctttggaa ttgttttggg aataagtgtg ggggggtttt 180
ttttgtttca ttggataact tgttttgctg gctatgcttc atgatgtatt ttggggccata 240
cttgatgtac attgtatatt gggttaaagt tggacatgct gaatgaaatg ttgtttctca 300
aaggctatag agtaaaaaaa aaaaattcga aaaaaaaaaat cgaanaaaaa gaagaaaaag 360
aaaagcaata aagttgagtg aataagatct taaatggcac aagaatgatg aaactctngg 420

ttctactctt tat

433

<210> 10559
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10559

caacaagttt ccacatccac aatgcgcgca taaacncacc atcctctatt ggccacctnc 60
atctgagctc acgtactccc acgtagccca tctctcggtt tctctcaaca ccgggtcccc 120
atcaatcctc ccaagcttgc acaacatcca agcaaaacaa aattcanaca gcacaagcta 180
tcacagccaa gcanaacagg aaaaggcaga naactctgct caacacacca accagaatca 240
cagctnttcc cacttaaaga cccagaaca attccttoga tcaattctta accgctgac 300
gactcaaatt tact 314

<210> 10560
<211> 442
<212> DNA
<213> Glycine max

<400> 10560

agcttggtga accatctata tggcccctat gattgagaca taaagcaaga ggctgcattg 60
aacgaaatct atcaaagcat tatgacctcc aataccaaag ggactttttt gagtttgaga 120
aagaattgaa attatagtga aaacaaatat taaataacaa acaaagaaat aaaagtcaaa 180
aagctcaata ccaaggacaa acaaaatgac taaccaacaa attcaataac acggaactaa 240
aatgagaaaa acctaaatct tctattatga ctacagaaaa atgaatcatt atcaccacca 300
tagcagactg caaaagagag atcaattcat atgaaccacc aacatgattg gttgaaacac 360
aaaagcaaga tcattcttaa gtatatatgt ttaataaaaag aagaaaataa atataaatat 420
ataataaact cttacatagt gc 442

<210> 10561
<211> 185
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 10561

atgaagataa gctgatccgt gaagagaagt gactgagtga gacttttttaa ggttgattca 60
agacaacgcc attttgagc tttnttttat gagaaanacc cagtccgagt ttcaaaaacc 120
agccaagttg ttaggtttac acaaaaccag tcgggttcga tctggtcac cggggccaaa 180
tgcac 185

<210> 10562

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10562

agcttttaaag aatgatttca tctattatga ggctttgtcc actcttttgg gatcctccta 60
gggttgaaac aaagtagcac ctatctatag aagtaggccc aagatttaac tactggagaa 120
ccaaaatcca ataaatatat aaacattaaa agtcatataa attagttatg cgttttttaa 180
atgatctaag aacatataat agaaaatcca tatacataga agatattaaa cattttttta 240
aaaacccaaa gttataaatg acaatcctca atttcatgtc accaagaatg ttcatgaatt 300
tataaaaaaa ttgctatata tgttttcttt ttacgagaa atcctattag ttatatttga 360
aaaatcaact tatatatnt gaacagatta tgttactaaa taatgtttat 410

<210> 10563

<211> 456

<212> DNA

<213> Glycine max

<400> 10563

agcttagtca actcaactaa gattacgcta tgcaaaagct gcaatgtgtc taatgtctat 60
gctcgagcca aagcttctta ttagaaactc ttgtgaggtt tatagataca atacaattta 120
caaacgtttg tatagaataa gttacttaaa gtactgacac gtatcctaata gtgatatcaa 180
tactccacca atatgaatat gagaagtatc caagccttta aaaaaaatag aatccttgtg 240
ctccttagat aagaggcaaa gtgaacagga tgaagcatct tgtatagaac ttttgaggtg 300
tgtttctaaa tcaaagagac atttagatcg cgatcttgat aatcctaaac catgcaagtc 360
tagaaagtca attagttcta gttcattatt ttcttgcaag tacagcaaga tctcattctg 420

tggcattgaa gaccatctat cagatgactg ttatga

456

<210> 10564
<211> 149
<212> DNA
<213> Glycine max

<400> 10564

cccggaatgg gtttaggcaa agacaacgac ggcataacta gcctgataaa tgccaaagga 60
aatcgtggga agtatgggtt aggctataag cccactcagg cagatataaa gagaagcatc 120
gcggaagga agagcggtag tcaaagctc 149

<210> 10565
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10565

agcttggtgc actagcataa acaaggagtt gagcaactgc ttctgggtctt ggggtgtcatg 60
gcaatccttt ggcatgaaaa attctaaaac aaaatcagcg gaggcactcc ggagtgggaat 120
gccagagca gcatgcaagc caaacatggt agcatgatgt gccagaggat actccgcctt 180
gctgaaggaa gtaatgtcat ttgcaaaaca aggtttggtg gttgtgaaag ctgtcccaac 240
tactccttgc cccccaaaaa ggtgggactc agagcacgct tccaggaaac ccattagctc 300
tacatccgcc aaaaaactag cagcatacac agtcgacaca taattcatct catcgtttga 360
atgccacat ccaactctntc ctgcttggtg gatgcaggga gcccatgtca gagctaaagg 420
caagttatgc gccttgcata cacacgtcaa aacttgt 457

<210> 10566
<211> 145
<212> DNA
<213> Glycine max

<400> 10566

taccagccca tgtccttaga tgacttcatc tgccacatag acaacgcctt tcagctcaca 60
gcataggatga gatatgttcg cttttattta tcagcgtcta ttaagaaaag agcaacttcg 120

caacatcttt tgggataatt gcaca

145

<210> 10567

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10567

agcttgctgt tagaatcata gacctgtggt ttgttgaaac taatgataaa tttgaacaag 60

ctgaaatgat tattatggat gaaaatgttg tcttatttaa ctttcttatg ttaatagata 120

ttgtatggtg ttataataat ttgttttctg attattacct ttggactatg atttttgttc 180

ttgcagggtg acaagattca tgtccttata agaaaagagg agttaagac atggaaattg 240

actctaaagg agaacaacac ttatatgatg cacaacttta aaatntttta caacgagggc 300

cagtataagc tatgtttgca tccatataag ttgattttta ctggtgtcac tattgtcata 360

gaagtggacc tttctaatat ccctttaaag gcatatgagt ttgcttaatt tgttgatata 420

cttgctagaa cctaccgacg cgatttgta gt 452

<210> 10568

<211> 323

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10568

taagaaaaat cttttcttga ttcaagaaca ttcttttga aataattata tttttctttn 60

taggaaaaat acttgagtat aaattatttt tcttttataa ttcgctattg gtagtttata 120

aatgacttga taattgcaat caaatgtcat gattggctct tcaattatag ttgcataatt 180

gaatnttgan tntatacttn ttgggcctcc tatcttatat ctttgtcttt tggtagtggt 240

gtaaccttgt gatacttgag ttgttgaaag ttaacttcat ggtactatat ctggggagtg 300

gtgaaagagt atcaaattaa aca 323

<210> 10569

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 10569

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agctngtcgt tagaatcata gacctgtggt ttgttgaaac taaagataaa tttgaacaag   60
ctgaaatgat tattatggat gaaaatgttg tcttatttaa ctttcttatg ttaatagata  120
ttgtatggtg ttataataat ttgttttctg attattacct ttggactatg atttttgttc  180
ttgcaggttg acaagattca tgtccttata agaaaagagg agttaagac atggaaattg  240
actctaaagg agaacaacac ttatatgatg cacaacttta aaatttttaa caacgagggc  300
cagtataagc tatgtttgca tccatataag ttgattttta ctggtgtcac tattgtcata  360
gaagtggacc ttcctaatat ccctttaaag gcatatgagt ttgttaattt tgttgatata  420
cttgctagaa cctaccga                                         438
```

<210> 10570
 <211> 251
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10570

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tctcttcttt taattggtat attttaaata agacaaatct tttcttgatt caagaaccat   60
tttttgaaa taattatatt nttcttnta ggaaaaatac ttgagtataa attatttttc  120
ttttataatt ctgtattggt agtttataaa tgaccgtata attgcaatca aatgtcatga  180
ttggtctttc aattatagtt gcataattga atattgattt tatacttttt gggccttcct  240
atcttataat c                                         251
```

<210> 10571
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 10571

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agcttcctag aggccttcac tgcaaaacct tgggtggacct ctttttttcc aagactccag   60
atacggacag gaaatgtgag ttttcattcg gccttttatc attattttcc atttactttt  120
gctaataaat attactcttt ttctttggtg ataataaggca agtttgacta ttgttccatt  180
aggaaggctc agattgaaaa ggtaagaag gtccttggtg aaaaggataa ggagaattag  240
```

aaggaaaatc cccaagatga cttggtgcct cctcctcctc ctattgctgc tagtgtcatc 300
 attcggggcg agcatgggcc ttccagtagt ggtccttcat aaaggcagag gttggagttg 360
 gtgcctgtgg ttgtaccttc attcgttgag agcatcccta c 401

<210> 10572
 <211> 288
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10572

cagctataaa tatanattaa tgagctgaag accaatgaag aactggtgaa ggtgtagta 60
 caatctaact actggagaaa atatggacca atagaaattn tagctgtctc tgctaaatat 120
 gttgtgaaat tcgaagacga ggtgactgcg acatcgctaa acgactgaat gcaatgttta 180
 nttttttgct ttntcgttga tgtaaactnt atctatntac ggtgtgttta aatcccataa 240
 taaagttcaa tgtgttattt caatgggtcca nagaataatt ttttaatt 288

<210> 10573
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 10573

gccgccgcat gcaagctttc tttaacaaca atgaaagaga tagatgaaag attgcagaaa 60
 taaaagtggg ggggatgtct cctcacctc ttggacctct caatcactca taaactcagc 120
 tcatgtctctt aggacaactt cctttttccag ctttgggtctc tacagatctt cacacaacaa 180
 aatctctcaa actctgtgga atttggacct ctcaagaaaa atggccaaac tcatectcta 240
 aatatgattt cacgcttaaa taggtggctt tgttcgtgct cgtgcgctta gcacaactct 300
 gatccgctca gcacacatta gtgaatatcg gcttaacgcg attttttctc gctcaacgaa 360
 tgaaatgaag cggcgcgctt agcatgatga cccttcgctt agcaaacaatg cacaactcat 420
 ctttc 425

<210> 10574
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10574

tccctcttgt agactaggcc tagactaaac aacattatta taacaatata attaaaacca 60
 aaacttaatc cgcagatccc ttntgtaaga ctaagtttcg atcctgcttc aatcaagttc 120
 taaggaaata atacatttcc caatgctaaa gtcacctaac tatgcataca aatggatgat 180
 cataccanaa gcatacaaac attaagcatt gaaggaagca ttgaacacag aaaacataat 240
 caattagata ttaggtatatt acatcaattg ttcattagaa atccccaact 290

<210> 10575
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 10575

gagcttgtaa gttacacaat agagaaattc tagtgaaata ttatgcatgc ttttgtatgt 60
 aagcattgta ttagattatg taactactac caactaactg tacttaggat aggtgtgatt 120
 ctctttatat atattcctca tcctatatca ccacttatta tcttagcatt taacgggctt 180
 aaagaataat tgctcttgac aaatattagg gagaacaata agtgcttcaa ttctttcaca 240
 catgatgaaa tgaaaggtag gaatcttttt aggtttcaac agcagcacca aaggtaggat 300
 ccacgatgta agggcagccc catccgattt tgatctcaga ttgtgctaca ataacgagct 360
 tgaaaatcta cacatcccct attaaagaac gtgcagacat atcccagcta gctgggaata 420
 cgctcgtagt gtatatacaa gacataca 448

<210> 10576
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 10576

attgtcacat cacctatgtg atgtgaattc tcctaataac tgctctaata tatgaaaata 60
 ctgcatcata tcttactaga atatcttaca ctatccttac gattagtctc tctctatctg 120
 tcttgaattt gtgattagct gccatatttc tttatcttat catgacttgt tttcttaatt 180
 cggattatga ttagcatata agggtttagta ctataggtct tatgaatata tccaatcaaa 240

tatgcacgat gttaaataca tctcagttga tatcaacccc agggttcatt ctcatTTatc 300
tctcttccctc cctcatatct acaagagata atttcaacat aattagatat ctttgggtgac 360
ac 362

<210> 10577
<211> 449
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10577

agcttcttac atagtccgcc tttgcttgac cttctttatg cttaanaaca gaaacattag 60
gcataggcaa aagatcaaga ggagtttagtg gattaaaacc ataaacaact tcaaaaggag 120
aacaattagt ggtgctatga acagctctat tgtaagcaaa ttcaacatgg ggtaaacaag 180
cttcccaagt ttttaagttc ttctcaaaa ctgtcctaag caaagttccc aaagtcctat 240
taacaacttc cgtttgccca tgggtttgtg ggtgacaagt ggttgaaaat aacaatttag 300
tgcccaactt gctccacana gtctcctaaa atttttttag gaacttagag tccctatcac 360
taacaatgct ccttggcaga ccatggagtc tcacaatctc cttgaaaaac aaatcagcca 420
catgggaagc atcatcaact ntnttacat 449

<210> 10578
<211> 197
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10578

ccttgaccca gtgtgataat gtcaatcctt accctcggaa gcaaaaaaag aatagagggg 60
aaatttccaa tcaagaana agagaaggag aatttccaat gaaagcataa aaagaaaaga 120
aggaaaattc cccaatcaaa gagtgggaga aagcaaaaaa agataagaag gaaaattccc 180
caatcaaaga gtgggag 197

<210> 10579
<211> 452
<212> DNA
<213> Glycine max

<400> 10579

agcttgtaga cagtgaagat gttgtagag atatattgtg atcacatcta aatttcataa 60
agctattaaa ttcatttcta acagtgttaa tatgtggtgt tataagatga acaatttttg 120
ggacaaaagg ttttgaggat gttcatctta taagtaatat tacatatcga caccacaatc 180
cacatttcaa ctttaaaata atctaaatta ataattgaga tgttaacacc aaaatccaca 240
cttcgacttt tatactagac ccgtgtttta tcttttatat attacaatag atagataaac 300
agatatgact agtacctaaa atcgggtatga gagatatcaa actgcatgca atacttagaa 360
cctgaaacac attgaccaac agactacctt tagagaatat agtaagcaca gaaagaactc 420
agcgtaatac aatactttgt gcctcgaaaa ga 452

<210> 10580

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10580

agcttgattt gtgagttgat tttagcctta gtttactct ggttattagt caattcattc 60
aagggaactt ttaaagaaaa acgtccgatt gatttttttg attattttat tcaaagatat 120
tttgattatt ttattattat tttttcaaga tattttgatt attttattat tatttgcctt 180
tttttgattt aaccgaggtt acaacgtgaa caatcagtta gattttggtt taatagtgat 240
taaacgagat tacaacacaa atgatcggtt gaaattcatt ttatcaatta ttaggcgaga 300
taacggctta aataaacggt aaaaagctcg ttaaaagcgg aatanaagaa aatcgaaagt 360
gaacgagatg aagatg 376

<210> 10581

<211> 193

<212> DNA

<213> Glycine max

<400> 10581

ttctcgctaa gccaatctgc tatcttagcg agcatctgct aagcgcacca cccatgggct 60
aagcgccagg aagactctat aagaagatga gttgtacagg tttgctaagc gaaccgcttc 120
agtccatacg ctaaccgaga aaggcacgca ctaagccaaa attcactaat gtgcgctcaa 180

cggtccataa ttg

193

<210> 10582
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10582

agctngcaat ntatcaaata cgactctgac ttgttctact tgactaaact tgtaaggaat 60
cagtaattag aggtttttat tattattgaa aattactatg ttatgggtgt attgaaaatc 120
attgtgcaaa tgagttaata atgcttttta ataaatatat ttttattttt aattcattaa 180
cttaacattt gtaagttttt gcaatttaaa tatcatgtcg aaagagagca taaactttca 240
ttttttacat tcctatgagc tcaatttttt ttcatagtgg ttgtatacta ttattgctaa 300
tgtcatatga gccgagcccg ctttgctctg gacactgatc cagaattatg ggccagttaa 360
gttacaatgc ccncaaaatt aagttcttca aaatgtacat ttaagactc 409

<210> 10583
<211> 427
<212> DNA
<213> Glycine max

<400> 10583

atacttaagt cacctgctgc atcaagcttc tacatgctga atgacctttt atactgatat 60
ggcaaattctc aaggccacat gagttattct tgagggactc acttgccatc agaagaagaa 120
atcctttaag gatgctaate attatgtgtg ggatgatcct cactgggttc agattggagc 180
aaataacttg atcagatggg gtgtcattga agtgaagacc aagagcattc tttggcattg 240
tgacaattca ccttatgggg gccatttttaa tggagaaaga actactgcca ttgtctctaa 300
caagtatttt tctggcccat aatactcata gatgcacatt tgtgtgtgaa acaacatgag 360
taataccaaa gaacaagagg aatctcatga acgaatgaga tgcccctgaa caacattatt 420
gaagttg 427

<210> 10584
<211> 162
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10584

attcatttcc ttcatggttt acaacaaaca atgaagccat atgtcagtca gtcacatgga 60

tcaattgatg ccactatgct ccatacaaaa cccaattttc aataaaatnt atcaatcaac 120

aagacatttt caaaagttcc agtgaatata ctgctatata ca 162

<210> 10585

<211> 414

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10585

agaaagggaa gcggtanant tggaacctct gatcctcgaa tccaaccagc tngtacctat 60

gtggagttgg ctaacattaa agctgtcctt atcaccacta ttggtcctct ttttgaagtt 120

gttaatgggt ttaatccact acttcctctg gatctttggc ctatgcctaa tgttcttggt 180

tttaacctta aagaaggtca ggcaaaggcg actatgtaaa aaagctcatg aaaagtcaag 240

atcaaatgag aggaaaataa agcttgctaa taaccacaaa ggagaaaaag ttgtttcaac 300

cggagatggg tgggtgccat gaaaaaaaaaag tttcgaacaa agaatcaact tcaaccagga 360

gatgacattc agtctgaaga tcatgacatg ctacaatgac taccgtagat atgt 414

<210> 10586

<211> 355

<212> DNA

<213> Glycine max

<400> 10586

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cacaaacatg cataattata caaagtgccg cgattacgat ctttactaca atgacaaccc 120

caaagctgaa gatgctgttt tgagagcatg tacaaaagtc ctgcttccaa ttaaagaccc 180

gcctgacgct aacaacccat tcacattcgc aactgcagat atcttcacta aagtagaata 240

accgatgaat gtgcagcttg ccactatcgc aaaggaaggc agtgtcaact tgaccgcaga 300

gagatattat tttgtgccac tgccaatagt atccgtacgc tttcttctgc aataa 355

<210> 10587
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 10587

ctaatagacc ctaagtaata catgtacaaa ctcacggtgt aaaagtcttt tacactatca 60
 tctaatacag gatcatcatg tatgataagt tcattgactt ttataataac caccttaaaa 120
 gtcattcaaa ggacaagttc ttattgtttg atagcataaa aactctaata ttgacagcgt 180
 gtatctatga gaactcttct gaatctcgtc tacctctaca tttgggttaa caaaagtgtt 240
 tttctaaggt ctggttactg gcttcataag ggaaatatcc ccccttttgc tgttgacacag 300
 agtacatcat gttttgttga gaagcacagt tgct 334

<210> 10588
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10588

ttgtccttag atccctcttg ttggactatg ctcaacttat tcagcccttg taggtttaga 60
 ctnaattaaa ctaaacttcg tccttagatc cctcttggtg gactaggctc agcttaatca 120
 gcttaacgaaa gtttagacta atttaaccta agcttcatct tcagatccct cttgttggac 180
 tagacttaga ctaaacaaca ttatcatcac aacatattag gaaaactaaa acttaatcct 240
 cagatccctc ttgttggact aagtttcaat tctgcttcta tcaagttcta aggcacaata 300
 cattttccaa tgc 313

<210> 10589
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10589

ttctctgcaa caaataaagg anaattggat taagcagaac ttgctaaatc tattcctgac 60
 aatatatgtt tggaggtaac atttcaagta tgatcaatat ttataagcac caattatgaa 120

gtactcttct atcctattag ttccatgtgt ggcttaatca aatccataga tagctatgtg 180
 tcatacccta atttcgtccg gngactattg ttgatggca tgcaaccttt ggttgaccgc 240
 ttcgaggtac ttggcaccct ttgttgcata atacgtgaag tttcgagaca tgccggaaat 300
 caaaaggaag cattgttacg caatccgtga aatttcgtaa catgccggaa atcaaaagaa 360
 agttttgtta cgcaatctgt gagtttccgt aacat 395

<210> 10590
 <211> 231
 <212> DNA
 <213> Glycine max

<400> 10590

gtcttagggg tgaatcctga cactttgcta ctgtacatta tgacaattcg tgtgtgggtg 60
 ccatgcgtta ctttgagagtc attgaagaaa tctgagagct tagttatgtt aaattcattg 120
 tgtgttttca agtgtatgtg ggttgatagc aatattggta tgcgaacaga tgagtttaga 180
 ttacttttg tagatctgaa gaagctagct tatcagaatg gatttcatga t 231

<210> 10591
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 10591

cctgtctctg ttgcagcaac atgtctttgt ggcattttta acacattttt catggagctg 60
 caattccaaa aaatccacag ttgttgatgc acaatatatg accttcagga gggagctggc 120
 acccagtctt gtcatgggtcc attttttttc caacttacc cgcgcaaag atacatagaa 180
 catctaagat cacgtcatca ctaatttcat aataaacaaa cagcactcca gagaaaaacc 240
 agttatcaac tatgattata gtccaattta tgtagggaac aatatagcac cctttttcca 300
 atgcaaaata ttgatgaaac 320

<210> 10592
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 10592

aaagcttata gatatgggag ggagaataaa acaatcttat ataattttac ctggcaagca 60
 acgaagagtt ctttttgagg ctttttagatg acgacaggta cgagcctcca tacagcgaca 120
 cacaactccc accgcatata gaatatcggg ccttgtattg gttatatacc ttagactccc 180
 cacaagactc ttgaagatcg tggagtctac cttctctcct ttatgaaact gtgataactt 240
 caagccacct tccatagggtg tgttcacggg attgcaatca agcatattaa atatcttaac 300
 acttcttttg tgtacctatc ttgtgagaca aagataccat tctccgtttg cttcacttgc 360
 attcccagaa atatgacatg agtcccatag tctgcatatc 400

<210> 10593
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10593

ctactagaaa ctcaagctgg taacattgggt aaatctgtga atcatttgtg aactcatttt 60
 ttctnggaaa tncagaagaa agcaaggggc ttagttgaca catggaaaaa acgtgttgaa 120
 gctgaaatga ttataaatga tgctaggtct ggttcagttc agactgtccc ctggccagcc 180
 agacaacggc tttctgaagt tgctcaaagt gggaataaac attcgagtgg gtcaactgat 240
 gttgccatga agagctcagt taca 264

<210> 10594
 <211> 350
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10594

tcatgatgaa tcaagattga ttcanagaag ttttgatgat ttcaaaggta atgacaaaaa 60
 gtcnagat caagaacact tcatgataac aaagatgaag atctcaaaga atcaagaatc 120
 aagattcaag gttcaagttc caagaatcaa gatcaagatt caagactcaa gattcaagaa 180
 tcaagagaag acttaatcaa gataagtatg aaaaaagttt tttcaaaact gagtagcaca 240
 tggattnttc tcaaaacctt gttaccaaag acttttactc tctggtaatc gattaccaga 300
 ttattgaatc gattaccagt agcaaatgga tttgaaaaag tttcaactga 350

<210> 10595
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 10595

aaacgagccc ttatgtgagc actgggcaag atgtttgaac cccctgccct attgggtttt 60
 tcatacaaac aaagcatggt atttcggtct gagatggggc agatagtaca cttgcgtaat 120
 cagtcttcaa ctgcgaagtc tatgttatta tgtccaatac tacatgagtt cgactgagcc 180
 taccagaaaa ttattatcgt ggcgagttaa acagactagc atagctgaga ttgttaacta 240
 agacgagttt acaagtaggc atgagagttt gacaaccatg tgtgcatgtg tcactaagaa 300
 catgtgcctg 310

<210> 10596
 <211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10596

ttgcacgtat cagtcaagtg tatggaccat gttgtancca ttttgctcat ctataatggt 60
 gctagtttaa acgtgatgcc taagagcact ttggagaaat taccattcaa tgcttcccac 120
 ttaaagccga gttcaatggt ggttcgtgcc ttcgacggca cccgccgaga gggtagggga 180
 gagatcgatc tcccagtaca gataggccct cacacctgtc aagtcacctt tcanattatg 240
 gatatttaac cccccctaca actgtctgtt ggggcgctcg tggatccact cagtgggaag 300
 ttgtccctct acactccacc aaaagttgaa attcgtagt 339

<210> 10597
 <211> 198
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10597

ntcgcgctct cttatgcttc taatctccgt ttaccgaaac tgtccctgtc tgcattctaa 60
 catcgtgtgc ggcgcactcg agcatcgta tcgttgcaact cgagcatcgt cacaagtcct 120

tgctttctcc tcttcgccac catacatagg tatgtttcgt ctcttcgcg ttggcttctc 180
cctctctctg gcttcttc 198

<210> 10598
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10598

gacactatag aaaaactcaa gcccttctaa tttctatfff ctaggacgca aaatcgcaat 60
ttatttanac gttttatngc nncattatat ggaagtngca cgcagaacan atgtgtgaga 120
agataagaan natganatgg gagtgaacga cccaagcctg gaattatgaa agttcgcagt 180
gtaccctcgt tttcgcccta attcccaatt atgaactagg gaacnnccta aattaatgaa 240
ttaaccgcgc gattggcctc ttaagataat tgtnagcct atggtcaatg taacacoccta 300
tttttcataa aataaattaa aaatgattnt atttaaaaat aaatagaatt ttagaaaata 360
atgagggtttt tataattaaa taaataagga gaaataattt atttattaaa taatagtttt 420
aggtaaataa ataaattatg tcttaaaaaa tgtttattat tca 463

<210> 10599
<211> 111
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10599 .

ntataagtgc gggttcggga tacaaggtc atgcgttcgt tatatgcgaa gatgatattc 60
cgagtactga ggatttggtg cgaccatgct ctctgattt ccagctggga a 111

<210> 10600
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10600

ncactctggt tttgctagtn cttgantctc aaaaatcnan agggacccgg tggggatgct 60
aagaaaatcc caaacttatt ccctttttta caacctatnn agaggccttt agtgccggat 120

ggtacaacct tcaaatgggtg gctcgtcccc ctatttcttt tctgcaaaaa agaaaatcat 180
 tatcaaagaa accatggatg aagtcctaag gatgccatgt acatngtat taatgaagat 240
 atagtattat atttccaatc aacatacatt gattgttgat tacatgtaat aagactttta 300
 taacatgggt ttcccaaatc acanattaaa agcacaacta ccaatccttc agagcccttt 360
 gttaatttgg cttgctcctt atgtgggggg gtttgttaa taatatatac ttagcctcct 420
 aaaaaactat gactgacctc ttttatn 447

<210> 10601
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 10601

tctggcatgg aatgacttgg caattgcctt ctttatgcag caccattaca acactgatat 60
 ggctcctgat cagaaccaac ttcagagcat gaccaagcgg gaatatgagt ccattaaaga 120
 atatgctcaa aggtggagag acctagcagc ccaagtcgtc ccacctatga ctgagaggga 180
 aatgatcacg attatggtag atatgttgcc tacgttctac tacgagaagc tgataggata 240
 tatgccggct aactttgcag acctcatctt cgctggagaa agaatcgagt ccggactgag 300
 gaaaggcaag tttgaatatg cctccaacgc tgccc'ccaac aataacagaa gagccccagt 360
 ggtgggcaca cgataaaagg aaggagatac ccacgtgggc accaccgccc caacat 416

<210> 10602
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10602

tgaacattca tacattaagg agaagcaaga ttatttcaaa ttgaaanacc tctcagngaa 60
 acacaatgct gatagagtct atcattttct tagcaaagtt cttgtattga gtcttacttt 120
 attgtaaagc tctctttgag tgttagaatc tataattctt taaatgggtc gtttatgaaa 180
 gctangagtc acttagtgac aaaacaatac ttgaatgttc ttaagttcaa ggggagtcta 240
 agggttgtgt tagtagtgac ctagagaatt cttgtaaaga caggaggggt aggttagaat 300

atttattgta atcaatcatt gattagt 327

<210> 10603
<211> 361
<212> DNA
<213> Glycine max

<400> 10603

cgaaggggaag agagagacca gtcacgagct tatagcatgt gtcttgaaag aggagttagc 60
tgcttgctca aggtccaaga gaacttgctc caacgttatg cgagacaaag accacattgt 120
gcccacgta gcaagtccca aaagaattaa atctaccac agccacgagc acaagtgaca 180
gaaaatatcc cgagtgtcgc gaaaaggagg ctaagaaggg gatcggagtc aagacatccc 240
gattgctacc aggccaagaa atggcgacac ctactcgccc cgagagatca tgactttcac 300
tatgcagcta tataacatat ggcctatata gaaccgtaga attgatgcac taatctgata 360
t 361

<210> 10604
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10604

ctaagcttga atccagagcc ngcatggcaa atgttaacca cttttaacct gtactggcat 60
cactcaaagt taatcacttt ccaatatgcc tccacattcc agacccttc tagatattat 120
ttacttggca gttgatgggt gctgcactct gggttttctg ttcaaaggtc tatgatttta 180
ggtaactata aaaaagtgtt tgggttggag tagctagtca ttctgtata ttactttggg 240
tcttgtaca gctaacagct ttaatctgag ctgaatgaat tacttcattc tgctacttta 300
agttgcgcta gtgtanggtt atttattctc tttcttatct tgggtgatgg gtgctaacaa 360
ggtgcattta catctgtttt atttttt 387

<210> 10605
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 10605

agaaannnnn nnccgtgggn nactgaagng catgaancnt gaaatcatta aaaacccggn 60
ccggaaagac actaaattgg tttgaaggcc cactgtctta aacaaccctc ttgtttttat 120
cgggacatgg accgtccaaa ggcataaaat caacccatag ctttaccact ttttgcaaga 180
actacttagg tctgagttcc tcaccacaaa tggaggatcg tcggagtaaa gccactttg 240
tcgacaccct tttcaaaaaa aaaaaatcaa aaacctaata gtaatgccta cgttctcttt 300
tccaccagag acgtatggcc atgcctaact ttctctcttt caaaagaatc aaaatatcgg 360
tcaaagggcc aacgccttaa acgaaatttg ttcgataaaa ttgaccttgc gaaaaagatc 420
aaaaatctta gccaacct 438

<210> 10606

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10606

aggggngggg nnnccggtaa nnctgggatg ggctgatact gtgcaaccna ctcagcttat 60
gatgaggatc caggtgggtc caggtgggtt ggaggttgtc aaaaggccca cagatggatt 120
tcaggattca gccaccagga tcaggaccag gataatttcc aggtttcttg agaggaatct 180
cagaggattc aggattcang agaggtttga tttcaggaat caggagaaga atttaagaag 240
acttcccagg ggaagtattg aaaagatttt tcaaaaacan acatagcaca gttttgtttt 300
tcaaagagct ttctcanaat ttctaagtac cagagtttta ctctctggta tcgataccag 360
tcctgtatc gattccagtg gannagttga tntcaaagct ttaactaatt gcacgtacaa 420
atgtttttta tgggtatcga tacatatatt ggg 453

<210> 10607

<211> 119

<212> DNA

<213> Glycine max

<400> 10607

cactaccaga aactcaagct tctatgtagg gctggatctt tgagcttcaa tatggctctt 60
ctttggtgat ttttcacat ggagttgtag tagaagataa aggagaagag gtgagagga 119

<210> 10608
 <211> 252
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10608

tgcattngga attgcgagag cccactcta tcattaggat tattacctga catctcaaac 60
 gaacaaatca aacgtaacaa gacaattata gttgctgttt gaataacctca cccactcaag 120
 tgtatcacac aattatggct tttctctaata gaaacactct tgcctttttac cacatctaata 180
 tcccttgagt tcttaagcaa ttcaagagat tatggccacc acaaagaaca attcaccaat 240
 atgtgtaatg ta 252

<210> 10609
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10609

tataagatca aaattgcctt aatcatttct tttatgcatg ttaattatga cgcacaaaca 60
 agaatacaagc caaggctatt gtgcaagcaa tcaatggggc aaaacacacc aaatgattat 120
 aatgatggat ggctcaaatt ctcaaaagg taaaatcatc actttcaaata tgagctttca 180
 aaactatcat gacatgtaga gaagaatcaa ngatttcaag tcacaaaatg tcaagaactn 240
 ttattttcaa aacaattacc catttcttga acatattcta taattcaaag aaaaacatgc 300
 aaagtcgtac gtgcacatga aattgaccca aaatattaaa ctgaaaatcc gacgaaacta 360
 acaacattaa caaattaaca caactaaca attaacaata 399

<210> 10610
 <211> 295
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10610

ggaaggtgtg tagnccacc attcttttca tatttagaaa acatgtaatg tgtctactat 60

cattgttatc attttttttc tccgtcattg aggtgccact tgagctgccg ggtctcgcc 120
 ccttcaatgt ccttgagtct ttctctata tgatccaact ttccctttca gccatagcag 180
 gaggggctct tctaccgca aaattgcacg gttgtggttg tggccgaaaa tgaaggccct 240
 ccaaaatggt ttgcaggagt atacctacca actgcttacc cttcagtggg atata 295

<210> 10611
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10611

agggcctgna agcggggggn ttttcgaacc tactgaatcg ctacgctatc ctgcgacact 60
 acannaaaga naagcangtn acatctatgg aggtggaagg cagttttttc taaaattccc 120
 cagagaggcc cggaaccgg naagccactt tgttctgct ccggtgggccc accccagcct 180
 tcccagccct atggtccaac caagggaaaa aagtccaaa aggcttaagg aaggaggagc 240
 aaccgaggat ttaaaagtta aaaaatatta tataactttg ttctattttt ttttttttac 300
 aattgttcac ttctgaaatt aaactttttg ctctaagcgt cggtaaacag ttttataata 360
 ttttgtctga aacatatcng ggctcccatg ttttacattg acgtgtatta caaaaaacta 420
 gcatttgatt ttttgattcc ctttattgac tattgagtgg ccactcttta taatgttgca 480
 ctccctg 487

<210> 10612
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10612

tatgcgcata tttccttaca aacgtactct ttacaagact ttntttaacc gaaaaaaaaat 60
 gcacccatat acaatcaagg cagctttgtt acctagatta ttacacgta cttncaaagt 120
 gtatttggtta cttacatcac acacatctcc ttggctaaat tcacatacat gcatactcaa 180
 agcattntgg ggtacaaaaa attgcacatg tgcacgatct tggattttct aatactata 240
 catacacaaa cttcatgatg aatcttgact atctacacaa taagggtgcta catttcatgc 300

tcttttcaag tntttgctac ctaaagccgc atgcanattc aagtatnatt tccttngctg 360
actaaaatng tattcaaatt aagaggatac attttttgta atgta 405

<210> 10613
<211> 184
<212> DNA
<213> Glycine max

<400> 10613

actcaagctt agagagatcc tagagattct ctaaggctta ttcttatatt cttccctcta 60
caagaagggtt agaaccctaa ggacgataat ttgggcaagg aaagctttta ctatgtaatt 120
tattatttgc attgtgtttt gatgtcgatt ttgtgatgct catttgatga atattgggtg 180
ttta 184

<210> 10614
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10614

ctaaaatact aagcttgagc caaatcctga ctcttcataa ccttgaccag tttgagaagg 60
caacctaccc tcgaagcgaa aagataaaag ggaaattcca atcaaagaga aggaaagaag 120
gaagatctcc aatcagggag aaagcaaaaa gaaaagaaag aaaattccca ttcaaagaat 180
gggagaaagt aaaaaatgaa gaagtcgaaa ggaagaaagc tcctgatcat ggatcgcagg 240
aaaacagaag aaatgtgcag ataggtctnt ggaccggaca atatctgaac aatacagaat 300
tgtcaccaaa tgaacaaa 318

<210> 10615
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10615

tgtcattaat aaactcatatc ttgacatatg acaaactcag ggtgaatnaa tatgtacaaa 60
aatattattg actcttttaga taaaaacggt ntatggataa taaaacttaa atgaactacg 120

ttttttgtat ttattttcaat taaaattaaa gtttaattctt agtaactcat ttaataaaaag 180
 ttgtccaatg tgattcagca tataaaataa aataaaaagtc ttccttaaca ccaaagtcaa 240
 acttttagtta aagaacata atttttttta gtttaactaca atgataagtt tctatgggat 300
 attngtatat tatttttggg aaatatcaca tgggtattttt atgagagata tttatg 356

<210> 10616
 <211> 551
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10616

aggggaaann nnnnnacgac ttggaccctt agggtnccgt caactncgta cganancnct 60
 ngcanaagcn nnncntagga cacttgagca agaaggacta taggagagtg gtggatatat 120
 ttttaagctgt tttcaagtgt tgacatgtgg aggtcgctta agccgagcct aagttagtna 180
 aggacactna gaagccactt agaggggtccc cactttaagc ctttaagccct taaaggcaca 240
 ttaagccgag ggcaatcaaa agcccaatgg gaaaggacaa agaaaaaccc ccgctttaag 300
 gccgtgacnn actctgtgcg cccttaagtg aggaagaaat ataataggct gagttttattc 360
 ccaattcatg gagaaccctc gcttaagcat tggaacaatc tgggcagggtt ataacaaagc 420
 cagataccca gtagctacca ctanttccca aatcaaaaagg cctcggttta agtgaggcaa 480
 taccacgct taagcgagaa aattatgcca tgcctaagcc catttcaatt tacaaaaacc 540
 cagtgcata n 551

<210> 10617
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 10617

atggatcatc taaataggtt aatttcaaaa gatctagttt ttggatggcc taaattaaat 60
 ctaaaaatat tgtttccacc actaaaccat tgcaataatt acacatggat ttgtttggac 120
 catctagggt catgagcttt ggtggaagtt actatgcatt agtaattggt gatgattatt 180
 ctagatatac ttggacttta tttcttactc ataagaatga tgcatttcat gcatttagaa 240
 gacttgccaa agtcattcaa aacaaaaaga atctcaaatt atctccatca gaagtgatca 300

tggaggtgaa tttgaaaaca ttgattttg

329

<210> 10618
<211> 296
<212> DNA
<213> Glycine max

<400> 10618

atcttgaagt attggctgga attttaatcc tgaaaagccc atttgcatca attgcaacac 60
aatatcatga tcatcatcaa aacatcaaag tcaatggcat ctacagcatg cacctatgtg 120
gacactcaag tgtcaaattt ttatggcat gtgatgctag ggctcaagat tcattccctc 180
tattttagtc aaccaatgt ttccaaaaca tggtctttta tccatttggtg cattcatteg 240
agtccatttt gggcggtccag agaaacttca cagcggtcac ccttcgggtg tacaca 296

<210> 10619
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10619

tacctggggg gacctagggg tcagaaaaag tgtccaaatg accctttggc cctctttttt 60
gagtattttc cgcacccctt cctgaaacat caaaaaacct ttggaattgc atgacaactg 120
gtgtaaagca gttcatttcg gctaacaaga atcaaaacgt tagcaaata aggtcccaaa 180
cgaaataggg tatgacatat gttttaatca attacacaat ntgttcaagt ntacaaagta 240
tgtctcgtgt cggcttaatc aattacagca tcatacataat cgatcaaata cttgttttga 300
gacaatgatt gattattcaa gagtctctat ttaattgata 340

<210> 10620
<211> 217
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10620

tgcgatgagg aagtgttgaa gggtgaaact tcctgctntt tttgttgacc acaaagtgg 60
acttgagat atgtcgcggg ggtcaggaga ccttggggac gtcagggtggg gtgctattgc 120

ccanaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg 180
tgatgtacct aagcaggcga gctcctggca gtcaaca 217

<210> 10621
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10621

actaagctat gcgcatattc cttacaaacg ttctcttcac aagactttct attaaccgaa 60
aaaaaatgca cccatataca atcaaggcag ctttgttacc tagaatattt acacgtactt 120
tcaaggtgta tttgttactt acatcacaca catctnnctt gctaaattca catacatgca 180
tactcaaagc atttggggta ccaaaattgc acatgtgcac atcttggtat ttctaatacc 240
tatacataca caaacttcat gatgaatctt gactatctac acaataagggt gctacatttc 300
atgctctttt caagttttgc tacctaaagc cgcattgcaa ttcaagtata 350

<210> 10622
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10622

ttatgtagct actagcaaga caaaaaagtg ctgattaata tttaaatgga agcaaaagga 60
ggaatgaagg ctatttcacc ctcaaacttc atctttatta tttctgtact agaaacacat 120
aatatccgag tcagaccaca tggtgnggag cancttgaa gaatatgttt ttccactttt 180
tttctactta aaatggtagc agcatcttga aacttaagag gtggtaccta gtttgatgat 240
gaaactatat gctcctctgt ctttntattt tttatttgaa tgtcataatc caatgtacat 300
canaaatata aaatctcaaa atatttgttt cacaaaacat gncttttagtc ttgggcactt 360
tngccaagta cccattacta 380

<210> 10623
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 10623

agcttgtgag cacaagtgtt gagcgcccta tatttgtgag aaattctata actaaaatgg 60
 gnggggaagc tctgtacttt tcatccaacg agtgtaaata gaccaatgca ttgacttaag 120
 attgttaaaa gcatgaagga gttatgagtc tgtttctaac aaaaaatata gtcaactaca 180
 agatctaagc ctttctatgg aaaaaatata tgccattgtc ttcggcagaa aagctataga 240
 aatagccaca ttgctagcac atgctcccaa aaaattaaga tatcgttgat aaaaattgcc 300
 acttgcaact aaaacgaagc attctctagt tgcccatcta tgtaacattt accca 355

<210> 10624
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10624

ataggctaca tgccagcttt ctttgcggat ctcgctctttt tcggagaaag gattgaatcc 60
 ggactacgaa aaggcaagtt caaatatgct gccaatatgg cccccaacaa caacagaaga 120
 gcccagtag tgggcgcgag gaaaaaggaa agagacgccc acgcggtcac caccgccccg 180
 acgtggatga tagcacccca naatatccaa agtcatatac aaccaatcc cccaaatttt 240
 taatccgagc tgggaattcc cttccgactc aagtaaagga ccactcgcag cagaaagagc 300
 gccggcaciaa cgcaca 316

<210> 10625
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10625

agggngnnn actgtaggan cctaaatnng ctacgnctng caatctataa naacccccng 60
 natnggaact gggaaggatc ggagaacggc ctaccttagg canaattttt aaaattctga 120
 naggcgccc gatcggaactc aactggaaac catggttaaa aaggaaagtg attccttta 180
 agaatatccg taatgggggg agggacctgc caacacaagt gggctttcca atgggtggaaa 240

gggtaatgat taccatgatg gtagacacct tgacgggtgg ttactatgag aaaatagtgg 300
gctacatgcc cttctacttc gcggacttgg ttttcgtcgg agaaagaata aaatangttt 360
gaagaaagga tgtttganta cgtctcctcc ataagtacca acgctaggag ggacaaagca 420
caggggaaaa aaagaaggaa gagaacccat gccacacttc agtgcctg 468

<210> 10626
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10626

agganggggn naaaagttgg anncctaatt gcctagntnn ctagcantnc acaannaacc 60
nannnanaac acnggagcag gaggactgag aagnggagga ttttattaag cttgcttaag 120
agngacaagg ggggggctga ggcgagctaa gtagnaagga cactcagagc cactagaggt 180
cccaacttaa gcttaagcct aaaggacata agcgaggcaa tcaaagccaa tggaagacaa 240
gaaaaccccg ctttaagcgtg acactctgtg cgctaaagtg aggagatata atagctgagt 300
tattccattc atgagaactc gcttaagcat gacaattttg tcagttaaac aagcaaatac 360
agtagctaca ctataccaaa aaaaaaggcc acccttaatg aagcaatacc cacgctggat 420
cgagataata atgccatgca caagcgcaat acaatgttcg aaaaccagtc catg 474

<210> 10627
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10627

atccaaggca ctctctaagg ggtgtatctc atttttcctg gcttattccc tagnggatga 60
cacctccttt cacctcttct cctttatctt ctactgcac tccatggtgg aaaatcacca 120
ttgaagaacc tcactgaagc ctcaaagttt nttagttgat gttgaccaac gatttttttg 180
gccgacgttg gctacattta tttgaccggc gttggctaca atttttctgc tgacatcggt 240
catgactaac ttttgagtag acgcttgcta aggtttttca gctgacgtca taggtttttc 300
cagccaacat cagccaaagc tagtttttag caaatatcgg ctaggattat ttttcagatg 360

atgttagcta gggtggtttg cctgatgtca act

393

<210> 10628
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10628

actaagctta atacctatca aactcaagaa cttgttttag atgattatag gaaaaatgag 60
aaaacgttgg gtccaagatg caagttttcc ctcaactccta ctacnaattt actttatcca 120
caccacccan atccccaaaa ccaacatana acacatcana accttgaaag agaacacata 180
tatgaaactt ctaaaagtgt ccatggagaa aaacgaanat ggaggatgag agggaaaaaa 240
tgaaggtctt ttacctttga aatcaatcca aattcaaaca aagaagctca acaacaatgt 300
cctttatgct aaaatttcaa ggtctcacac tctctaattg ctctctaa 348

<210> 10629
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10629

ctcaagctta tgatgaatca agattgattc aaagagtttt gatgatatta aagatgatga 60
caaaaagctc anaagtcaag aacacctcat gataacaaag atgatgatct caagaatcaa 120
agaatgagtt caagattgaa tcaagaacac ttcaaggttc aaaagggaan ttgatttcaa 180
gaatcaagaa tcaagattca agattcaagt tccaagaatc aagatcaaga ttcaagacta 240
aagattcaag aatcaagaga agactcaatc aagataagca ttaaaaagtt ttttcaaaaa 300
ctgagtagca catgaattnt tctc 324

<210> 10630
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10630

tgaccaatcc cgaccaacc cgggcataat tctgtcagtg attatcctgt gatgtaccta 60

agcaggcgag ctcttggcag tcaacagata aaaggaacta agaccacata gcaaggaggc 120
 ttgtgtggtg gctggccagc tgtgaaactt gattgatata tgggaagggg cctctggtaa 180
 tcgattacca aggggtgggta atcgattaca aggcttaaaa atgaagacag gaagctaaga 240
 tggcctctgg taatcgatta ccaaggggtg taatcgatta ccangcttga aaatggaatc 300
 aagaaac 307

<210> 10631
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10631

gagcacgaaa nngaaggaan gaaagagga aagaagngga actttgaagt gtatctcata 60
 agactttcat tcatcaaagt tataacaagt gttacacatg cttctattta tagactaggt 120
 agcttccttg agaagctttc tcgagaaaac ttccttgaga agcttccttg agaaaacttc 180
 cttgagaagc tagagcttag ctacacacac ccctctcata actaagctca cctccttgag 240
 aagctttctt aagaagaatc ctagagaagc tagagcttag ctacacatac ctctctaata 300
 gctaagctca ccttcttgag atgagaagct agaacttata tacacacccc ctataata 358

<210> 10632
 <211> 249
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10632

gggagaacta ccataaggga tagagccttt gtgctaagt catgtnnaga aacaagccag 60
 acaaggcaag taaggttgtg agaaacaaga caagattggt tgccaaaggt tactcacaat 120
 angaaggat agactatata taaacctttg ctcatgttac tcgtctaaag caatacacat 180
 tatactctca ttacagctc atacaaaaat gagactatat caaatagacg taaaaaggca 240
 ttcttcaat 249

<210> 10633
 <211> 191

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10633

ttgagcagat tcaaacgact ataacttgtg tctcggatgt tcgattgagt cccgnantat 60
atcgagacgc tcgtaattga aaacagaagc tcttagcaaa ttcaaacgac aataactttt 120
gactcgggtg tccgattgtg tcttgcgttt attgaaaagc ctcaaaatgg aaaccggagc 180
tttgaaaaaa a 191

<210> 10634
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10634

cccggggatc cttagagcac ctgaggcgtg aagcgagttt caattgttac ngaaanactt 60
cttccggaag aagaattatt gtatgggcaa tttggcactt cactgggttg tgggtgcccc 120
accaataatg ctgggggcca tataacctcc tctatgctgg attgccagtt aaaggatatc 180
gcacgttacg atataaagcc atattcaatg tgggcttcta caatgaacct tgtggcgtga 240
gggaaagccc aatgtgcaac acttttggag gctcantttt natcacgtct gatcggacca 300
cgctattaaa aattatttcg ggcctcttat tccaagccgt tagcctacat tctccagaac 360
aaaatttagt catggccggt gtgcgctcaa tcatgctgcc agtttactcg ctaaaaacta 420
tattcacatg cttctacatg agctggcctc cactagataa tttttgagga aagcg 475

<210> 10635
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10635

ctcagcttat aagagaagaa aagaagagct tgtctaaagc tctganagtg tctatacaag 60
aatctgttga atctgacaac tctaattgat ccataaatga tgaagtgact ctcatgtcca 120
ggaagttcaa acagatgatg aagaagaagg gaaagtttca acattcctct aaatgtaaag 180

ataccaaatt caaaaagaag aacaaggggg aaagcaatga gatcatctta tttgagtgtgta 240
 gaaagtcggg acatataaag gtttaaactct tcaactaaag aagaagagat actccaagga 300
 caagaagaag aaaagtttga tggttacctg ngatgactca gacagtgaga agagtagcag 360
 tttagacaac gaacaagaca acatctgtct tatggtagat atagatgata aagtcaaggt 420
 aaaaacatgt tgtgaatctc atacctatt ttgtgtcttc accaacaatg aagaagatat 480
 accttatga 489

<210> 10636
 <211> 423
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10636

catgcaactt ngttatgntt ttccanccgc gaaacgagcg tgggtgtata cccaangcca 60
 atctgatcat ctgctctga taaatgcgaa aaaactgtgc ctaaggaaga aggtgtgatt 120
 gacggagaac cacctgctgt gactgtcatt cctatacagc caatattcgc actcggacag 180
 cgatggcggg actcctccaa taacaaacac ttcctcttac tcaccggcca gtgattcaca 240
 aagggttggc gtatactacc gcatagtctg ctacatccct tacatgacca catgagctta 300
 cacatgcata actccaccct gaatgattnt tctcagaaa ctttaagtta cgcccttccg 360
 tggcatgtga attgtccttt ataatgtatc aaggggccca tcccccaagg tttcacttag 420
 tac 423

<210> 10637
 <211> 228
 <212> DNA
 <213> Glycine max

 <400> 10637

ggtatagaac ctctcccat aaatacaaac attaagggaa atttgaagca agcttatgca 60
 catatttcct tacgaacgtt ctcttgacac agacattgta tttaccgaat aatgcaccca 120
 tatacaacca aggagcatc attacctaga tcatttacac gtacttccaa ggtggatttg 180
 tgcttacatc acacacatct gcttggetat aatcacatac atgcatac 228

<210> 10638
 <211> 513
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10638

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gcatttttgc ttcgtgacaa ccannnaatt gagaaccggc ccgcntacn nnnagacgag 60
aaggaaggcg tgcaacgtta attacatcat cctctccgan gactaggcgc gaggtagaca 120
cgcctcctac gttggactaa cttaaactga gctgcatcct cggatccctc ttggtggact 180
atacttatct tagatagctc atgagagttt agactaattt agcccaagct ttgtccttaa 240
atccatcttg ttggactaga cttatacccg acaacattat tgtaacagca tacttataac 300
ccaaactcta ttccgcgatc cctcttgaga gactatgctc aactctactt ggttcaagct 360
ctcttgagac tatacaattt cccatgctga tagcacctaa ccactgccac cagtgggtga 420
ttcgaccctt aacttctgaa ctcatgccg agagaagcat ggacacggac atccagccac 480
ctgtgttgac acaatgccac tcttgcgttt ttg 513
```

<210> 10639
 <211> 246
 <212> DNA
 <213> Glycine max

<400> 10639

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gaggagtgc tgatcactgt gacctgaaac ccatataagc gccactttgg ctatttcccg 60
ttcttctgaa gacgagcttg caaagtccca tctagatcga cagaacgtga aagtggggta 120
cctgcactct acacgagtga agccctgaca tcttgtaaga cactaaagcc ctagctgcca 180
gcaccaaagtg tctaaaccca ccttagggat actatgccca acaacggacc ggaaatctcc 240
gatctc 246
```

<210> 10640
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 10640

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aagtcaaccg gcaggcaggc aggctgggtc tttttccctc cccctccctc tccacaacct 60
```

gtgcaaattc tctgtagcct aaatgaatac tatgatgccc aagggagaac tgaaaactgc 120
accctcatct ggcgcaccaa catgcaactt gtgacagatg ttcccccttcc atcagtaaga 180
aaatcaagac aatcagtcga cacgagtcac catccaaata gttgttaaga tagcaaccaa 240
tcaatcactc gctactcgct gtcagtgtgc aagtaacaaa agaatgcac aagaaatttg 300
gaatcatttt ctggcccatg atgccgttct tcccgcacag tgtcaaaaga gggttccttg 360
tgcacacata attgagatta agtatcgtgg acaataaata atcatc 406

<210> 10641
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10641

tcagctacat ggatcacnga tgccatctgc tcggttaact ttctgagcct tagaaacatt 60
gtctagccta agattcccct tgatgatttc ctccaacctc ctttttggtc tcccacgact 120
cctttttacc agactaacia ccatgcaatc tattcttcta acgggcacct cctcttggtg 180
ccttctttgt atatgcctaa atcaccataa ccagttttct gtcacttttt cctaacttgg 240
tcctacacca tattttttctt gtatatagtc atcatgcatt ctatcctttc ttgtatgatc 300
acacacccaa cttaatatcc tcatttatgc tactcc 336

<210> 10642
<211> 538
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10642

agacggactt gactcgatat acngcnacat nnanctcgta cccaggggaat ctctaaagcc 60
aaccggcagg catgcaggct ggtttgattt atttactcc tacatattat ctctagcatg 120
catgcatttt gtctttacct actcctcacg tatggttntt ttaagaaaaa caccataacg 180
taacgcgcta caatgcatcc ttatcgcacc agatccaaat ctataacgat gggatgatcaa 240
gaggagacac atgaacagat gaaagccgac atgtcggctc tgaaagaaca aatggcttcc 300
atgatggagg ccatgttagg aatgaggcag ctcatggaga anaacatggc cgctgctgtc 360

agttcggctg ccgaagcaga cccaactctc ttggctaccg cgcgccatcc tccctcagac 420
acagtaagac ggcgaaggaa cacgctgggg cagcagaca accctcatct gggatacaac 480
cgaacagctt acccttatgt gattgccgct actactcacc cccatcatgc angagatg 538

<210> 10643
<211> 472
<212> DNA
<213> Glycine max

<400> 10643

cttgaacgat aatcgtatct cttgcaccct gtatgagctg tatgatattg tcaaattttt 60
taaccctgtt cttaaataat tatctccaga tacctttctt agattctagg agagcatata 120
gtttaaggca aatttaccct aaatttgggg gagtgaagtt aatagggatg taaagaaaag 180
ggtaaagcat catcacacac aacaaataaa ttgtatgtta aaaaaaagaa taaattgtgt 240
tgttacaata aagtcaaaag caaattacgt ggaaaagata gtgagaaagc tacttgtatg 300
acacaagatc atttggataa gtctaggact tatgctctct tagaatctaa acctttgaat 360
cctagaaaaa aaaaccaatg aatttttcta ccaagcctca ctacaagcct gagaaagtct 420
ttctaatact gattatacat ttctgactat atggcatgag atgaaattca aa 472

<210> 10644
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10644

nctccaatgg tgccttgaat caatcaaac cagtatgggt agataaccac aattctctct 60
ggcagcagct ttctaggaa caataatgtc attatacctt tccaggcctc aggagaaatg 120
aacctcgatc ggcatatcgg acatgggaag gtgtggcacg tgcttttctc ttctttgatg 180
ccatctgaga atataagatc aaacaacaag attagtcatg gttatttcca acacaacaga 240
anaataaaac taaaaactga actggggcgt aagagcagta aggctggctt atcgcgctt 300
atagaattta cccatggcta agcgcacaga ctccgcttac ctaaaacaca aaaatatttt 360
ctgcaaatat gctaacgcca catgtggctt acctcatcta catttcaaat gaaag 415

<210> 10645
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10645

gggacattac tcttanagca gagatggtat ataacctcct tccattaata cacacatcaa 60
 ggtgaattta gagcaggctt atgcacatat ttccttaaga acgtttcttg acaagacatt 120
 tattaaccga ataatgcaca catatccatc aaggcagctt cgtacctaga tatttcacgt 180
 acttccaagt gtatttgtac ttacatcaca ccattccttg gctaaatcaa tacatgcata 240
 ctcaagcatt tgaggaccaa aattgcactg tcacatcttg gatttttaat acctatccta 300
 cacaacttct gatgagtctg ctatta 326

<210> 10646
 <211> 250
 <212> DNA
 <213> Glycine max

<400> 10646

tctgatcatc ttgctttgat aaatgcaaaa aaactgtggc aaatgaagag ggtgagaatg 60
 agggagaagc ccatgctgtg actgccattc ctatacagcc aagtttccca ccaacccaac 120
 aatgtcatta ctcaaccaat aacaaacctt ctccttacc accgcccagt tatccacaaa 180
 ggtaatccct aaatcaacca caaagtctgt ctaccgcact tccaatgaca aacatcacct 240
 ttagcacaat 250

<210> 10647
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10647

gcttatctca tgtgggtaca tctcaataaa ttcattcttg gagagcttca tggttttggt 60
 tatcacggga aggatcattg cagatgcggg aagcatgacc acggatctcg cttagagggtgc 120
 tgatgtagtt ggtgatattt ttgggatcat tgatcgctgt acgaagattg agccggatga 180
 tccanatggg tacatgctag agagggttaat tgggtcaaata gagcttcatg acgtgcattt 240

tgcgtaccct gctaggccta atgttgctat ctttgaaaat ttctcgatga anattgagggc 300
acggaaatca acagcattgg tggggcaaag tgtgtccggg aaatcgacca tcat 354

<210> 10648
<211> 384
<212> DNA
<213> Glycine max

<400> 10648

agcttatttc tagatccctc ttgttgact aggctgagtt tagacagccc tcctaggttt 60
agactaactt aaactaagct tcacctcaa atccctcttg ttggactaga cttatcttaa 120
atagcttatg aaagtttaga ctaatttagc ctaagctttg tccttaaadc catcttggtg 180
gactagactt agaccaaaca acattattgt aacagcatac ttaaaaccaa aacttaatcc 240
gcagatccct cttgtaagac tatgtttcaa ttctacttca ttcaagttct aaggcaacaa 300
tacatttccc aatgctaaag tcacctaact atgcacacaa atgggtgatc cgaccaagag 360
cataccaaat ttaagcactg aaag 384

<210> 10649
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10649

tctagccaaa tggacttacc ttanattatg ttctttatag cctttttgag ccttgtttcc 60
ctttccttgt tttgaagctc actacaagcc ttaagtgaac aaccatgata tcaccatadc 120
cttaaggaat tttggagctt tggaattggt ttgggaataa gtgtgggggg tttttgtttc 180
attggacaac ttgttttggt ggctatgctt catgatgtat tttggggccat acttgatgta 240
cattgtatat tgggtaaatg ttggacatgc tgaatgaaat gttgtttctc aaaggctata 300
gagtcaaaca aaaaaaaaaa gagaaaaaaaaa aattcgaata aaaaaagaat aagacaagcc 360
atanagttga gtgaataaga tcttaaatgg cacaagactg atgaaactct ctggtctact 420
cttcatgggt aaactttatc ttac 445

<210> 10650

<211> 313
 <212> DNA
 <213> Glycine max

<400> 10650

agcttgtatc tcacagttgc ctctctcctt cacggtcagg tgacaataat aaatttacia 60
 acagatgcgt actactacat tattattatt attataatta ctgatattca atgattaatt 120
 atatgcaatt gtcattaact tagtagtaat gctatgcttt tgtagggtgtt attatgctta 180
 gatggaagga gttaagcatt cgggtccgac caaattgggt ctatattcta cggaggccac 240
 aaacattctc tacacattcc gtggacatgc tgttactgta taagacaacc tcagatatat 300
 attcgtgtct ttt 313

<210> 10651
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10651

tctanattct aatatatcta tctaattgttt ataaatnntt ntgggtangag atagctagtg 60
 tatcaaacia tctacaatca tcattctggg ttgtggaggg gagcacgaga acatagaact 120
 aattactctt ggttgtgtta ccagatcata attatgggtg aatagatagg taaaaattaa 180
 aaacaaaaat atatgtcttg tcaattaact gtaaattgtg aaatgtagat atgtaatgga 240
 tattaattct aggttaagcc caaagtgcac aaaaccagaa ctctatccat tcagatccca 300
 cttgaatatc attttaaaaa aattacgggtg acctaaataa gtcacaacta ttactattg 360
 aaataagtgt gcagctaaca taaaaatatg accaatggga tccaagcaca agatttacag 420
 attcaactca tcatgctata agaaagaatt atgagtat 458

<210> 10652
 <211> 207
 <212> DNA
 <213> Glycine max

<400> 10652

aatgcatgtg gagcaagaac taacatatat gtatatatat atatatatat ctatgtgacc 60
 tgccatcttt gttaccttat ctgaacggat tccttctggg atctgtgagt gagtgttaact 120

acacacgtga gcttagaaca acgctcatgt cttctctcaa aatactgatg tctcactcga 180
agagtgccta gaccttgaga gggaaga 207

<210> 10653
<211> 117
<212> DNA
<213> Glycine max

<400> 10653

gctcattcga gagatactca aacacggata tcatacaaaa taatccactg catatcattt 60
gcaatcagct cactgtgcag acacactgtg ggtacatgcg aacaactcag agtactg 117

<210> 10654
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10654

tgctnttgac tcctgattct ttggaacttg cttaaactctt gattctttgg tgtcataccc 60
taatttcgtc cggggattat tatttgatga tatacaacct ttgattggcc gcttcgagat 120
acttggcacc ctttgttgca caatatgtga agtcccgaga cgtgccgaac atcaaaagga 180
agtaggctta cgcgatccgt gaaaattccg taatgtgacg gaaatcgaaa ggaagtgttt 240
ctcgcaatcc gcgagttttc gtaacttctt cgaaagc 277

<210> 10655
<211> 617
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10655

nggggnnnnn nnngggngg cagttgctaa tgnnctttga nnatcgacan cnttngnata 60
ngacancnct cgcnangnac gngacacnat acgaanactc agagctcaca tatnncngga 120
ctttgagctg ttgtatggat attcttatca gcnnnncatt tatggcgtat gcanaganac 180
cagtgaccnt aagccagtga naacattgaa aactcaacn caagcttttag atattttaat 240
aagaaaacat aacattgtac caccaagaat gatacactag tcccacattc acaagtaggt 300

gtacacatac ggctctacca ctaagttcat tttgttaaga tggtttatta aattccgata 360
 tgcataatagg cttacataac taggcaacac cactngtcta acactcaaag aacagcatta 420
 ttaattagtt aacacgcata acttctccat ctaagggtgtg acacaacaga gatcttccct 480
 actatgtgtc acaaccacga tacgcgtgct aagagcataa aagaaatatt ctaaccgaac 540
 aagaaatgac tatgacagat gttaaccctg agcttgaata caatatgcaa tgctaaatcg 600
 aacgccagag taaattt 617

<210> 10656
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 10656

ttcttattat gaaatgataa acttcaactt tatttccgca gaaaatccaa acaacaaaat 60
 gtttgtaaac cgtaagatat agaacataag taagactccc actaaactaa ggtactatca 120
 ggaattacac ccatatgatt agtgtgtctca tgaaaaactt taagtgtcat acatttagta 180
 agtggatcag ctagcatgaa atgagctcct atatgttcta taaaaatctg cagaagacaa 240
 gcttataatg aaatgataaa cttcaactgt atttccgcag aaaatccaca caacaaaatg 300
 gttgtaaacc gt 312

<210> 10657
 <211> 213
 <212> DNA
 <213> Glycine max

<400> 10657

gtaattacgt ctgtctctgt catttggtgc ttctcagatt cccttattaa gttcaacact 60
 tgcattgcctt gactcaactc atcccctgca aacttttcct tcatatagtt ccaaatcaat 120
 tttgttgttt tgtgggtcat gatttttagta aaagaaaaat gttgcgaatc acaacaaata 180
 tgccatgatgt aacattctat ttttcataaa aaa 213

<210> 10658
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10658

agcttgttct tttttattga aagatacaaa atcaacttga tgatgcatgc atgcacgtta 60
tanangaagt gngatcacca aatttatatt ctagaacaat atatttanat tataatctta 120
atgcttttat attgnataat acttaattgt ttcaatattn tattctttgc tatataatag 180
tagttgagta ttaatgtttt cttaattaat tcacttttca gtttctaaac taatttctgt 240
tctatttttc cgcatataat acttgtaatc catcttatgt tatattccct tgagtgtcgg 300
agactcttgc cacctctata atacgtacta gctagcaact tgtccttgtn tntgttgttt 360
tatgctgaga agtggtttgt ccaaagacg gaattgtcac tcatgtctaa nacaagacta 420
ataacagtgt cttgtaacat acactacac 449

<210> 10659
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10659

acacgcagct gttgcaaaca ttcagaagat ttaagtatat atntaatata gaactngtat 60
aaaagaaaaa tagacaccac cagataatta agtgggtcaa ctntggcata tgtgcaaagt 120
caaactagct accaattaag attctcgaca atcctcanag caacatcaca taaacacttc 180
aaaccatcct ctctgggagc aagctcagta ggataaacca aaccgggta gagtttgaac 240
aagttgtgac aaaacattgg gtaatcagaa gctgcagtga tgtgcatgga agcatagtca 300
catgcctcat tagccaaatc atgtgcagaa gcttggaggg catcactggc atacttgtac 360
ttttctacac actccttcag caccctttta aggtggaatc cttgttgcag tgcaagcaac 420
tgagaagaaa atagagagaa gt 442

<210> 10660
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10660

aacgtgacga gctancgaag ncanactagg caattcagct ccgacacgcg atacatagac 60
 cgacgtgagg caggcgagtt tccttatata atgccaaacta cgctctagag tggaggaact 120
 agctcataac ggagagactt caaagtgact agcatttggt ggctctctgt acagagatga 180
 agatgaccat ganggagccg aatgtgccgg ctgatcactc aatggactaa agatctatct 240
 ccgaaaacta ctcaagcagc catgagggtta tgagactcca ggagatggtg tgctcacgat 300
 cacgcaaata ngaagatcat aggaggaact aggctcgcat cttagagaa gactatatat 360
 ccgaatattg tgaactgccg agattgttga aaggatatat gcttctcaaa ccatcctggt 420
 gagcaacatt aaaaagaacg ggtgctaaca gagtcttcca ctcgattctc tggttgaaaa 480
 caaagtataa aatgggcn 498

<210> 10661
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 10661

agggactgaa tcacacattc gagtaaaaag ttcttatcgt tagaatacgc acagaacttc 60
 ggtgttccat tctgagcaac tcgatatatt acgggactca atcagacatt ccagtaacaa 120
 gttattgtcg tttgaatgtg gtcagagctt cgataatcaa tttcgagcgt ctcaatatat 180
 tacgggactt agtcagacat ccgagtaaaa cgccattgtc gtttgaatag actcagaact 240
 taggtcttca ctttcgagcg tctcaacata attctggact caatcagaca tccgagtaaa 300
 aag 303

<210> 10662
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10662

gttaaaagtg attttctaaa tggcttaatt caagaagaag tatatgttga acaaccacca 60
 ggttttgaaa tattggataa cccaaatcat tggtataaat tgaaaaaggt nttatatggg 120
 cttgaaacaa gcccttaggg cttggtaacga gcgtctaagt aagttccttt agaaaaggac 180
 tttctagang anagtggatc tattctttta taaagagaaa acacatgata tttactagtc 240

aaaatatgtt atgacattat tttggaccac taacaattgt gtgcaggaat tctccatgac 300
atgcaagtga gttgaatgtc atgatggaaa ttatttcttc ttggataca 349

<210> 10663
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10663

agcacactac agatatcttc tcaaatatcc caacggtcag atcatggaca agtgtcttgt 60
gaatcttgtg tttgtcttct tcttcctac actctgtaat ttccactgtg tatttataat 120
tgctgctttt acttttggtt aagtttatgt ttctattctt tactttctta actttgtagt 180
aaaagcctaa ttgaatctag taacattaag aacgatagat ttttaattag tcaagacacg 240
ttaataatta attcaacccc ccccccttct taattattcc gaggcctctt gatccaacaa 300
ttactgattc tcatgggtcaa tcaaagccta tgataaaggt cagatgatgc tttttgcctt 360
atatcaatac tccaatgatc atagatatat caatntaagt acaataatat catcaattcc 420
agagatgggt aattaangga taattaatct gtcgaagatt acc 463

<210> 10664
<211> 116
<212> DNA
<213> Glycine max
<400> 10664

cgtttcaact tccacactca atccactcct ccattctatc atcctcacct aaattgcaca 60
cttctttcaa aatctgcaaa ctgcatattt tctctctct tgcaaacaag acacgc 116

<210> 10665
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10665

gcagcatcta tgttagtgan ggctgtgatt cacctcangg ttenttcgag ntttgatccc 60
acaatcaagg gggacccaca aaatgttttt ctcaagcact gcgagcatct tattgatcct 120

atcagcaata tcatcacttg gtggtattct cggagagtga atgttataaa ctccggggcc 180
aattcctgct ccatacttaa ctcttcaca gaacactgac aggagctctt cttctgagcg 240
agaattttcg atggtgatca catacacatc catatcaatg atcgagtgga tgatgtcatt 300
gaaattagag taacacatgt gcgtgtggat ctgtcgattg tatagaatac aaaacatatt 360
atattttgat ggaatgcggt cta 383

<210> 10666
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10666

gtgggggact ttgagacann catnnantng acccggcncg tgaacnnnac agacaggagg 60
aagcgcgctt tgttttttgg ccaaacta aacaccgtaa ggcgcgttga tcataaaagg 120
tgccacgcct tcccctgatg atgcgcttgg ccaccatgct aaatgaagaa ctggacgtcc 180
tggcataact gtcttgcccg cacctttgac tgcactgcag agacaagatt tatcacctta 240
ttaacgcacg cttcttgatg attggccgat aacgtatcgc ccacgaaaca aaaagcgctt 300
ccactagtgt ctctggggaa tgaacattgc gagagcggat gataaacaca atactaagtg 360
tagaactgct gctccgagca tagcgcgaga tgattttctt acaaaatgga ccgcgcattg 420
acacagccgc ccgtttaccg cacactcatt tctgtcttta cctctcttta tan 473

<210> 10667
<211> 511
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10667

aggacggagt tgaggccttg aaatacgaca cattgattga nacancttga aaancnccn 60
ggcngcaaac caagaggacn ggngcgagtc atgagcncaa acacgttccc cngcgcgtgtg 120
gagaaancca caaggaccaa ccgacggaac tccagaggag ccacaccaca accggagcca 180
agagagcaga ggactaagtg ccagaagtca atcgtggctc cgcccgccct tggcaaagaa 240
tgcaaaacga cacagccaga gacgacatgg gagtcttacc ccaccccaa caaaagggac 300

caaaggacga accggccgag aatgaaccgg aagccgggag acaagtggcc tcaagaagcc 360
 caacacgggg ggcggagaca cagcacccaa ctacgcgccc caagaaaaat cgaagacacg 420
 ggcaaagtga ggaggaatcc ctcatgacga acgtgagaaa catccatgca aagaacaaca 480
 caaacggaac acaccacaaa aacaaaacca a 511

<210> 10668
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 10668

agtttaatca ttcaatttcg accgtctcga tatattacgg gactcaatca gacatccgag 60
 taaaaagtta ttgtcgtttg aattgggtca gaggttcaaa attcaatttc gaacgtctcg 120
 atatatttcg ggactcaatc agacatccga gtaaaaagtt attgtctttt gaggttggctc 180
 agaggttcaa cattcaattt cgagcgtccc gatataattac gtcactgaat cggacatccg 240
 agtaaaaaga tattgtcggg tgaatttgct cagagcttca acattcaatt tcgagcgtct 300
 cgatatatta cgggactcaa tcag 324

<210> 10669
 <211> 168
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10669

ttcatacgac aataactntt tactcngatg tctgattgag tccccgtata taacgaaacg 60
 ctcgacattg aatgtttaag ctttgagcca attctaacga taataacttt ttactcggat 120
 ggccgatgga gtattggata tatcgaacgc tcgaaatgaa tggagaag 168

<210> 10670
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10670

agctttgttt tgataggtaa aatacatctc anaattcagc ttataagttc ataacttcaa 60

atcttcaaag tttctcacat ttatagtcaa tctatataaa gtatctgctg tctctaaatg 120
 gtccaaaagt ttcgtctgag cttgtgtttg aagaaggat atattagtga aactgatata 180
 gcattgtgct tatctttcct gagccacact ctggtagtgg ttaaagcact ttagcgtaga 240
 gtaggtttga tcatagtang tataacaggc agcgcatctt ttgagagaat gggttgatct 300
 tttgattggt ctcttact 318

<210> 10671
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10671

gcttctcaag gaagctacct agtctataaa tagaagcatg tgtaacattt gttgtaactt 60
 tgatgaatga gagtcttgag agacacaact tanagttcaa cttctctccc tttntcttcc 120
 ttcaatttcg tgctcccccc tctctctttc tctccctctt ttttttcttc cattgaagca 180
 tcctttccaa gcttcttatt caaggctcat cttggtggtg aagctccttc ttccatggct 240
 tattccctag tggatggcgc ctctctcac ctcttctcct ttgtcttttg ctgcatctct 300
 gtggtggaag atcaccatta aaggacctca ttgaagctca nagatccagc ctccatagaa 360
 gccccacaag aaagcttcca tcacctttcc tccttcttta ttctgtgcc attgatcttc 420
 aagaaatgaa ggactccatt ggtgaagaag atctaaggcc tataagc 467

<210> 10672
 <211> 206
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10672

ttaatcaagc acccgcgagc tatacanaga ccgcagcgag gaggcagctt aatttatcaa 60
 aaaaccacac acggggcgggt gcacgtgata agaaccctc cctcgcccca acgatcctaa 120
 ttcacatcac atacgcctaa cactaactgc acaagacctt aatcattcct cttcagccac 180
 taaaccagct gttaccacat tctctt 206

<210> 10673
 <211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10673

gggagtggct gaacgacctg aaccnnaaac agacgaccgg gggggaatag accgcgtctt 60
 cccaagacca cggctagcaa caacagcccc aaagagaaac gccaacangg cacgcccacc 120
 cggcagaagg acctatccca aacacccccg gacaaccccc gaccacgcga gccccccccc 180
 cagaagcggc ccaaccaca accacaggaa aaccctaacg cacgcccccc cgagccaccc 240
 agcacagacc ccgcgacaga gcagggcaga agaacagcca aaaccccccg c 291

<210> 10674
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 10674

agcttcttat gattgtttgt tcctaatttc tctacaattg catcacctct caatgagctg 60
 gtgaagaaga atgtggcatt tacctgcggt gaaaaacaag agcaagcctt tgctttgctc 120
 aaagaaaagc tgactaaggc acctgttcta gctcttcctg actttttctaa aacttttgag 180
 ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcaccat 240
 attgcttatt ttagtgaaaa acttcatagt gccaccctca actacccac ctatgataaa 300
 gagctttatg ccttaa 316

<210> 10675
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10675

actcagcttt agcatttttag agaacacttt gtctcgagac attcatagnc cttttgcaac 60
 tcgaataggg gagttcattg tagacagttg aaccatctgt tgctagagaa cttgattatc 120
 tttgattcac tgtgttcact cgggcagagt tggctgtaac aatttcaaaa gtcttcaagc 180
 cattattgac aatgaaatta atatccggtg catgatcaag tctgtcaaca ttttatcaat 240

acaaatattg gcttcacgtg aagatcttta tatatatata tatataaagt agatgtgtgg 300
acatttttgt agaatcaact ttccatcctc ttgttagtct ctattatagt aaaattgcat 360
ctcatattta gatatatgtg ctaattaatg acgattataa attagctctc tctttttaca 420
gctgtttact tttaatccaa tttatacgta cgt 453

<210> 10676
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10676

agcttgata atggccaaac atgatacatg tcagggtttg gtttggttca agggtaaaag 60
ggatgccccca cattatttcc atgacacaaa tgcaaaaatg atgatttga aattttatgc 120
aaaactggtc atgcatgcac ctatgcggac actcaagtgt caaatntta tggtcagtgt 180
atgctagggc tcaagattca tttcctctat ttttagtcaa tccaatgttt ccaaaatatg 240
ttcttttatc aatttgtaca ttcacccgag tccactttgg gcgtacggga aaattttcac 300
agcattcacc cctcagggtgt atacacantt ttttttataa aaactagtta tg 352

<210> 10677
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10677

tgatgtcggt ggacctctgt gtcgagttcg acaccagaat tattatctaa ggcataatga 60
tattaaaact caatgtcatt aggatcacta tgctgataat cgacaccagg attggagtgt 120
aggcatgatg atttcttgat aaatcatgta atttctctgg ctttcaagca cttgtgagaa 180
attgaggact gacgaagaaa atgacaatat ggctttttta ccacattgtc atgtcatttc 240
ttgttacact ccacattgat gactattcaa tgaagtcagt aatatttga accatggaag 300
gtgttgcatc aataaatggt gtacttacca ccatgatttg gtattacatg acttttgttg 360
gatggagtct aaattagggt tnttatcttg ngatcnatgt ttgtggccat agtttgttgt 420
tagctcgaga gtctttttga aaatgttggtt aanattaaag ata 463

<210> 10678
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10678

tatcttattt gttcagcctc catagaagct caacaagcgg agcctccatc aagtggtaat 60
 cacagcacia gagcttcaag tatgtgctcc ttanacctcc attaatTTTT tgctttacca 120
 tctcttccat tgttggtact tcatgttttc tccatgtatc tcctcacatg tcttttgcta 180
 aatgttttta acatgattct ttacattttc caccaattaa acttgctata gaagctatat 240
 ttgattttct atgggttcaga tttcttggtc ttgttcttat accatgaatt gtgttgagtt 300
 taagttcctt cgagttttgt cttgatattt tntgtggctg aaacctaaac cataaaattc 360
 ttacaaaaat at 372

<210> 10679
 <211> 516
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10679

aggggcttaa cgtagngett ganatcacnc tttgatagac catttganaa cngacacaag 60
 atactagagc ttgagtagga tgtattgtca accctatat ttgttaacna cttttgtgaa 120
 naccagncgg tgaagcatct gcaaatatgc ctgtgaccta gtcaacttga ccagctatat 180
 taagatgaca tcccccatat gaagaaatga caaccactgc actgacagtg acacgttcaa 240
 gaccacatta caatttgctg ttgatgtacc agacaaaaca gccatataga tagttgctcc 300
 cccactgaaa taccaactct aagaatatat gaacttgtgt caccgcgaga cagcataga 360
 tgattaagga ccgtgacctg actatactct agaaacatga tgcattgtgat cgtaatcaaa 420
 aaaaactaca atctcttaca cttggataga agaacgggtg tgccaagatc gtgagctaca 480
 atcatttctt gccaaaggata tatatggcca tataag 516

<210> 10680
 <211> 387

<212> DNA
<213> Glycine max

<400> 10680

ctgcatttta ataatatata ataagagaac tatgactatg gaagaatcta ttcattgtttc 60
ctttgatgag tctaattgta ttcctccaag aaaggatatt ttagatgata ttgcagaatc 120
tttagaacia atgcatatgt atggacaaga ttctaaagga aaagggaaag aaagcaatga 180
agatcctcca gaagaagcca aatcaaatga tgaacttcca agagaatgga aagcttcaag 240
agatcatcca cttgacaaca ttattggtga tatctcacia ggggtaacia ctagacattc 300
tcttaaagat gtatgcaata atatggctct tgtgtctatg attgaacctt caaatttaaa 360
tgaagccata atagatgatc attggat 387

<210> 10681
<211> 541
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10681

ggaggagana gttgaaaccn ttngaagntc gangncnnta gattgatcac cnttcgcaaa 60
aacgncacac natagaanac tcaagcgggc atncggaatt gtgagagccc cactccatct 120
ttaggaaaaan gtgcctgccg ncncanacia acaaatcaaa cggggcaaga caataataga 180
ngnnagctga atacctcacc cactcaagag natcacacia anatggacat tctcaaatga 240
aacactcttg ccttatacca ctctaaatac cccttgagtt ctttaagcaat ncaagagatc 300
atggccacia caaagaacia tccaccaata tgtgaaagga aggctagaga gacaaggaaa 360
agggtaacca agaaaaaggc taacaatgcc tttaggcaca aatgaaggaa atanaattca 420
gaacttaaga attcaagtaa caatccttca tgcaaccaga atattacctt aaagagatnt 480
tnttctaaaa gtcgtcacgc atgaacaatt cagcccaact tttttataat aacggtatac 540
a 541

<210> 10682
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 10682

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agcttcatca ttattttcga gcgtctcgat acgttacggg actgaatcag acatccgagt 60
aaaaagtatt atcgtttgag ttgctcagag cttaacattc aatttcagcg tctcgatata 120
tgacgggact caatcagaca tccgagtaaa aagttattgt cgtttgaatt ggctcagagc 180
ttcaacattc aatttcgagc gtctcgatat gttacgggac tcaatcagac atccgagtaa 240
aaagttattg tcgtttgaat ntgctcagag cttcaacatt caacttcgag cgtctcgata 300
tattacggga ctatatcaga cattcgagta aaaatatatt gtcgtttgaa tttgctcaga 360
gcttcaacat tctatttcga gcgtgtcgat atattactgg act 403
```

<210> 10683
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10683

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cgacaataac attttactcg gatgtctgat tgagtcccgat atatatcgac acgctcgaat 60
tgaatgtnga agctctgagc caattcaaac gacaataaat ttttactagg atgtctgata 120
taatcccata atataacgag accctcgaaa ttgaatggtg aaactcttga ccaattcaaa 180
cgaaaataac ttttactcgg atgtctgatt gagtcacgta atatatcgac atgctcgaaa 240
ttgaatgtga actctgacca attcaacgac aatactttta ctcgatgctg atgagtccgt 300
acatatcgag acgctgaatt gatgtgagct ctaccaatca acgacataac tttctcgatg 360
ctgatgat 368
```

<210> 10684
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10684

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nggagcgcag ccgttttcgaa gtentacaag gcaancagca ccggcggagc ttttaagagac 60
cgacggcagg caggctaatt ttatatattc gagcgccctc atatatgacg agactatata 120
ggacatccag gtcacaagtt attgtcgttg gacattcctt agagcttccg ttttcaatta 180
```

caagcgtcta gatatattac agggctcgat caaacatccg agttaaaagt tattgccggt 240
agaatTTTTct gagagcttca cgtgttcaat tacgaccgtc tcgatatcct acgggacaca 300
gtcggacatc cgagtcaaaa gtattgtcgt tgaattactc agagctctgt gtcaatatga 360
gcgctgaatt tacagactca tccgacatcg atcaaagttt tgcgttgac ttcaaaaggt 420
tcgacataat tcagcttcta ttattaaagg ctatcgacat cgattanagt atggcctgaa 480
ttctggaccc 490

<210> 10685
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10685

aataatatgt gcatgatgtc gatgaggaat tgctcgatcg gcgtcagcag gtgattttct 60
ttntagacct cgatctgtta actntcgttg ccgatgtcgg ctaggatttt tgctgaccag 120
taccggcgaa taaagttttg ttccgacgtg ggcaaagtgt ttccctgccg agtaaataaa 180
cacatggcgg tgtgggctga aacaaaacta tggctgagct catacctaac aacttaccgg 240
agcgacattg tcaattctta ccgcaacacc caacaaatag gcatacctcta ccgtaagaaa 300
atatcatctg ccagcattta taaaataatt g 331

<210> 10686
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10686

cctgtgatgt acctaaccag gcgagctcct ggaagtcaac agataaaagg aacaaagacc 60
accaagcaag aaggcttgtg gtggctggcc agctatgaac ttgattgatg tgtgagatat 120
ggcctctggt aatcgattac caagggtggg taattgatta caatgcttan aatgaagac 180
aggangctaa gatggtctct ggtaatcgat taccaagggg gtgtaatcga ttaccaggnc 240
ttgaaacgag atcangaagt catganggct tctggtaatc gattaccaag ggggtgtaaa 300
tcgatacc 308

<210> 10687
 <211> 518
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10687

gaagatgagt ttgaancttt gagattcaca cattgatttg acgcttcgaa caacccangg 60
 cnggcggcat tcagagagcg ccncaattt tacatgccac ccactatcta ngagngtttt 120
 gtgnngnnca caacggcgca acaaccgggc gaagacgaaa acgacannan cagaaaagag 180
 ngccaaacaa cagcacgcag cacagaagaa ctcccaaaca caaaaagccg tcctgcatcc 240
 aactctagcc cctctgttat tattcttcat ccactagaac tacctgcca tcaatatgct 300
 atactgcctc aaagcagatt tagattcatc caaagtacca aacttcatcc gtaattccaa 360
 cttctgttca ccactccac tactttgact atattgagga taaacttcaa catccttacc 420
 ttcatcatca ctattaactg gtgatttcta tctcctctga ttgatataat ctggctcact 480
 tgaacttcac ttctttctta tacaatgaa tggttaag 518

<210> 10688
 <211> 187
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10688

aatggactct aactctttca tatgtaagga ttcaaactca cctagtacaa gttgagacac 60
 accttettac tctgtctctc ctttgtggga ggttgaagct atcccatgcc ctttacagat 120
 gttgcttaaa atcttctcga cacatcatca tctaattgctg ataatangag agagccttct 180
 gctctct 187

<210> 10689
 <211> 508
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10689

agaggcttag tctgagcgt tttancttct acactctttg nancacagcc ananacacaa 60
 ggngccaggc tcttctggaa aggcaaacgg tgtgcggggc cncggttctt aacgaangtg 120
 ggcgtccaa accggggaat ggcgagccac ngangaccng ggacaggaaa aagaaccaga 180
 aaccgcncag ccacacgcaa ccgagacagc cagagaaccg cacgcaccgc cacctggaga 240
 agccactgcg ccgcagatcn gactctctca aatatgctga atgacatagt atggcgaaca 300
 agattacaat gaatctttgt cctgctctac atatgtgaag atctttgaac ttaggctgga 360
 ctcttctgat gtgtaggatc tgccctcgct gttctgggaa ggcaagacaa tactctatgg 420
 tataggagca aggcaatata cagtcccgc ttatccaagg ctccaaacac ccgccaaact 480
 tcataacctc ttataacta gcccgcgc 508

<210> 10690
 <211> 198
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10690

taaaatatcc tactatttat gtcaacatac aaagacattc aacacatttt agttaccaca 60
 catatatata tacatctttg aaaagacata cattcttgct tcaggcattg tgtaaaatta 120
 cacctaatac catctnatat tctgtataca aactcctatc atattgaaga ttacatacaa 180
 ttatgtgttg atacatta 198

<210> 10691
 <211> 279
 <212> DNA
 <213> Glycine max
 <400> 10691

aggggggtcaa gagaccttg ggacgtcagg tgggggtgcta ttgccccaaa ccaagcttga 60
 ccaatcccga cccaacccgg gcatagtcag tcagtgaaga cctgtgatgt acctaagtac 120
 gcaagctcct ggcagtcaac agataaaagg acaaagacc acaaagcaag gaggcttgtg 180
 tgggtggctag ccagctgtga atcttgtgtg atatatgggt tatggcctct ggtaatcgat 240
 tactaagggt gggtaatcga ttataaggct taaaaatga 279

<210> 10692
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 10692

agtttgtttt gttgcgtatg atattggttt tgcgtctgtg ataataaagt caaacacatc 60
 aaccaaaaag agaggaagaa tcccttttgt ttttaattgat tgtgagagga gtgaaaaata 120
 tatagtatac aagacagatt tactttgaat ggtgactatc actataaaat gtgggtctcc 180
 cttaaagcca cgattgaaac ccagtttggg aggtgaaggg tggatgatca acttgacatg 240
 tgggacttat aatcatgcat tgactaagtc attcactata catccatag ttggtcgact 300
 aattgaggat gagaatatta ttattgatga 330

<210> 10693
 <211> 285
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10693

tcacaecttc ggccagggcc atgtgtgatg aatcagaagt agaaagagca acaactgact 60
 gttgatgtgc gttccaactg attgatgtac caaacanagc aaacacatat gctgtcaagg 120
 actaccttgt gtctacatct cttgcagaat ccgcactctgc atagccggtg actactgcat 180
 catgtgatga ctacatgtac actaaaccag ctttcaaaga tccaaataga tacctgagtg 240
 tacactgaac aactacccaa tgcgcgctgc caggatcacc cacga 285

<210> 10694
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 10694

agcttttgtt tgcttaactc gaaagcacia gtgtggtgaa gaagaagcta aaaacgacag 60
 tcactacggt taagacagac tgtgatgagc tgaaagatat caacatgacc acgcttaaag 120
 cattagagcg ggaaacaaaa agggcccgaa aaaaagaatg gagcacgaac aagttccgag 180
 gggctctatg gagcagcagt aacgtgctca agcttatata ggttgagagg gatgaatcaa 240

agatggaaag catggtgtta gaggataagt tacacgctta tcagagggtg aagagatggt 300
 tgatagaata gctgagcaaa acagaagaga atatgttgat aattggtgat caacat 356

<210> 10695
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10695

gcttacacag gaaagtgttc atcttaatth aaatccagat tgthtttatat cgattthtgca 60
 agtcattccc atcaaatcaa ggataatgtg cataatcaat tcatggatca agtggcctta 120
 gaataattaa gaaagggagg ttgaattaat tattcgtaaa cctthtactaa thtaaaaaatt 180
 actctthctaa ggattthtact atgttgthtaa gtaataaaag agtagaatag acactthaac 240
 aaaagtaaaa gtgggaatta aaatgcatag cggaaattaa aagagtatgg aagaaggaga 300
 cacacacaca agagthththta tactggthcg gcaacaaccc gtgcctacat ccagthcccta 360
 agcgacctgc ggtccttgag atthctththc caaccttgta naaatcctth tacaagcaaa 420
 gatccacaag ggatgtaccc thcctthgttc thththgaaca acc 463

<210> 10696
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10696

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 tacaacatgt cctcgcttg caatctthca aactcaagca agcaaaaaca ataatagtct 120
 ccttaaaaaac aaatcaatac ctgcatgtct gtaactccat acaagtgaag ctthccctthta 180
 thcaaaatat gatcgggcac ctacatgtct ctaataaaat aaaaattatt agtgatatcc 240
 tcatagagca aaaacagaga ataaattatt aaggaataac cacaaaattt agattthcatc 300
 aactatcaca aacatatgtt agtcaaattg taattctaat tgaaatccaa catcataatt 360
 actcacggat ctgcataaat attataagag tgcacaatat gatathct 407

<210> 10697

<211> 279
 <212> DNA
 <213> Glycine max

<400> 10697

agaataactca gctgggctat cagagagtcg gctttatitt tcatgctgca gatttgtata 60
 gctgctactc tccctaacct ggcatttcat gtacgtaatg tcacctacta tgaagaacac 120
 catttcttac tcacccgtct cctcgggtcta tctcctaaga taacatattc ttttcatata 180
 cctaacaatc agtttattgt actcagatcc cacacacatt gtgtaactta aagtggcgaa 240
 agagcctttg acacacaaat tcagtgaacc accgggtaa 279

<210> 10698
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 10698

agcttgcttt tacggagttt tccgactatc ctctcgtgtg gtggatcaag ctacaaaagg 60
 agagagcatg aaatgaccag ccaatgggtg atacatggac ggagatgaaa aagatcatga 120
 cgaagcggta tgttccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180
 cccaaggcaa caaggggggtt ggggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
 caaatattga agaagatgag gaggtaacta tggctcgatt tcttaatggg tcgactaatg 300
 atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatg 345

<210> 10699
 <211> 211
 <212> DNA
 <213> Glycine max

<400> 10699

tcctaccaag acgactgaca agactgatgc aaatcacgag ggcgacatag acggagaaac 60
 ccatgctgtg actgccattc ctatacgacc aagtttccca ccaaccacc aatggcatga 120
 ctcatgcata acaaacctcc ttaccaccca ccagttatg cacagaggcc gtgcctaaaa 180
 caaccacgaa gcctgtctac cgcacttcca t 211

<210> 10700

<211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10700

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 agccgttagc tcaaccacg tacaagagga anggaaacat tagtttcta aaactttcac 120
 cagcaacata ctctataacg ccgagaagtg ctaccatagc cacaccatac tctataatgt 180
 cgggaaacat tagttcctgg ctttcaagaa taccatagcc acaccaccaa tagcactcat 240
 tacctcggct cgacgactta agccctactt tcagagtcac caagtgggtg tcaaaacaaa 300
 ctacagttag agatagggga gcaacatgaa gacttagcct tgaagcttga agaaagtttt 360
 gtttttacat gcccaaactc ctttagtgga acgttgattg agtgtatatt gtgattgctc 420
 atataacatg gatcatctaa tagggatttc aa 452

<210> 10701
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 10701
 tatgaagact caggctatgg gagtacatac atgggaccta cttattgtat cgcagagagt 60
 acgtcgtatc tagtcaaggg ctgagagacc atacaaggac gctaacgatt tgtaattatg 120
 cccgccacca agcttgctct atgccgaccc taccgagca taccatgaat ctgttaaccg 180
 gcggagtaag tgtctgccgt cgccttggcc ttggctaaca atcggggaag ttctagactc 240
 ccgttcaagg tgagagcaaa ccgatccatc cacatggatg cctcttggtg taaagagtag 300
 agcacccttc cttaacctc tttttgcgcg tatacttggg catactcatc cgcgattcta 360
 cgctcgtggg ccgtggctag acctaacctc tcttggtact tggcgatgat agctaacat 419

<210> 10702
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10702

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 tccgctaagc gcaacactca taggctaagc gtgaggaaga ctctggaaga agatgagcta 120
 tacaggtttg ctaagcgac cgcttcatct cactaagcgc accactttag ttcattcgct 180
 aagcaagaaa ggcacgtgct aagacgaaat tcactaatgt gcgctaagcg gtccataagt 240
 gcgctaagcg cagcagcagc tacaaggcca cctatntang cctgaaatca gatttttagag 300

<210> 10703
 <211> 538
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10703

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 ngacacnann agaaactcaa gacgatagcg ncgctatcta gcagnatata atgtttcata 120
 taacaccttg aaagagnanc nacncccgcn aaacagggga gggacacaaa cancaacagc 180
 aancaccgcg aaacaaaaag aggaaangac nngaagggaac nngnaaaacn naagaccgac 240
 agccacganc aaaccacaga gggaccgaaa aagcnagcac accaaagacc cngagacacc 300
 gcaaacaaag nnaccaggcc gcaccacacg aagnagaacg ccaaggcgcc cannaagaaa 360
 aacagccana acaccagcc gaaggagcag caaacacacg cgagcgccca cagacangag 420
 cgggcccaga caaaccccaa gaggagaccg ggagaaaaag gnngcccnaa cancaacgcc 480
 gccnnncnga ggaaaaaccg cagagacgag acaaccacga aagccccgac aaaaccgc 538

<210> 10704
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10704

tgcttattga tcaaaattgc ctcaatcatt tccaaatatg catgtgaatt angatgcata 60
 aacaagaatc aagccaagcg tattgtgcaa gcaatcaatg gggcaaaaca cgccaaatga 120
 ttatgatgat ggatggctca cattctcaca aaggtaaact catcactttc aaattgagct 180
 ttcaaaaacta tcatgacatg tagaggagaa tcaaggatnt caagtcacaa aatgtcaaaa 240

actttttat tcaaaacaat tacccatttc ttgaacatat cctataattc aaagaaaaac 300
atgcacagtc gtacatgcac acaaaatcga ccanaatat taaactaaca atccgacgaa 360
actaacaaca ttaaccaatt aacaaaacca acaaaac 397

<210> 10705
<211> 491
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10705

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cacnatanaa tactcaagcc tctcanagaa gccatcgagg aagcttcttg attgataccc 120
tnnaattgag cttcttgagg aagccacatg aagnggcctc ggttaaaacg cttcccagcc 180
ttcattaacc gctggatctt ctgaaattt gggtttacaac ttcacaagac acttgtccat 240
gatctgaccg ttgggatctt tcagaagatg tctggagtgt gggctaacct ccgtcctgga 300
gctttcttat ttaacatttc ggccttgctt tttgtatctt aagaaaacgc ctttctctcc 360
ttctttttcc aacgcatttt aacattccca tacttttctt ctgcacaccc atttccccac 420
aaccttggtt tcccttgacc cccacggagg aaccttacca agcgattttc cacttgcttc 480
ggttcgtaaa a 491

<210> 10706
<211> 359
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10706

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gaaaggcgac gcanggcttc acggtgcgtc ttctaaggaa agaaggcgcg tggagtcgcc 120
accaacgttt atttgaggaa aacgtctgaa naatcgaaaa ggtgtggtct acaaaacttta 180
agtgtgaaag gtccgagagt ntgttttacg cacgatgaaa gtattagcac cccacgcgtc 240
cgtcacaaaag gacgacaacc ttantcaag tgtgcaaata tgacttcaga atattttattt 300
tccctttttt atgtcttttt gngttttatg cttatatgtt tttgattttt ttacctttt 359

<210> 10707
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10707

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 cacctccttg agaagcttcc ttaagaagat tcctaaagaa gctagagctt agctacacac 120
 acatctctaa tagctaagct cacctccttg agatgagaag ctagagctta gctacacacc 180
 ccctataata gctaagctca cccccataac aaaatacatg aaaatacaaa aaaattccct 240
 actacaaaga ctactcaaaa tacctcanaa tacaaggcaa aaaccctata atactagaat 300
 gacccaaaata caaggcccaa acgaaggaga aacctattct aatatttaca aaaataagcg 360
 ggctcact tagcccatgg gctcaaaatc taacctaatg atcatgagaa ccctagggcc 420
 ttcccttgga tctctggccc aatctgcttg gagtcttc 458

<210> 10708
 <211> 523
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10708

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 catgcaggct tttttcttta ttacggaaa atctgggact tagccatggt agaagtctct 120
 accgattgca tcccggtccc agtattatga ccagccccta aggtgcttca catttcagga 180
 ctttccagct agtgccgctt gtgaaagagt ttgaagaatt cctgngatgc cactgngag 240
 gaaagaagcc atatcttttc tctggttcta tcccttcacg acaagagttg caaggtagtg 300
 aaaatctcag cacaagagtt gaaccanngt aagcanaata ngaatggngt agtcggagta 360
 tcaaggaaat gtttgaggga aanggaanag gcctttggaa atcaaggcga atgggctntc 420
 ttttattgac atctntgcgc cttttgatct ttggagtgtc cttcttttcg atatngnang 480
 gttagtggac ctnacagtga ttgacgcttt cctcgcttt ctn 523

<210> 10709

<211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10709

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 gaattcgcca gggactatcc gcctgaattc ttttgtgtct cctttctccc ttgtcaaaga 120
 attcaaatcg acacagtctg agaattcttt taattcttcc ctttccctaa tacaaaagtg 180
 ttcaaagaac taactgcttg agaattcttt tgtatcccca ttcacaaagc atcaaagggt 240
 taacagcccg agatctttgt cttaacacat tggagggtac atccattgtg gtacaagtag 300
 agggtagatc tacttgggtt tgactgagaa caagagaggg tacatctctt gtggattagt 360
 tctagtggag ggtacatcca ctagggtttc aaagagaac 399

<210> 10710
 <211> 160
 <212> DNA
 <213> Glycine max

<400> 10710

actgcccgga tctaagacgg ggggagcttt tttgtgtaag gatttatggt atcagagaa 60
 ttgtacaccc agttgaaatg aaacaatatg taaatgaagg ctatgggtgac agcctagctg 120
 acacgtaaaa tccttaaaag actttaagaa agatcttctt 160

<210> 10711
 <211> 613
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10711

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 atcntctaaa atatgtccta cgggcantat agtggacaag tagggtttgg gacacnccgt 120
 gtgttgtcct cttacgtacc tacactctca tagtgtcac atgtgtatnc tataatgogc 180
 tgctttttac tggtgtgggt aaagtctcat gtaatctatt tctttactat tctgtaacgt 240
 gtgtgatgta tcagcctaca ttgaagttct agttacagtt aaggaaggaa tagaatgttt 300

aatttgtcgc agacaccggt aatagttaaa tgtccacctc ccgccgccct tcttacatat 360
 atgtctcgat gencatcggt gaatcacaac acacttactt gtatttttca gaggggtcaa 420
 tcatatacac tcataatata aggggtgatat agattgcctc tattggcttt acaattaaat 480
 actgctacat ggatcagnga ntatatagtc aaactctgag gttacgaata gctatgcac 540
 caatatgccc gaagagtggg ttatataagg gattcaatat atacttgtgc gacaattaac 600
 gccgaccaat tcg 613

<210> 10712
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10712

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 ttatgtatat tcgatctctt ggtaatttcc tgtgggttta atcttccttt gggtattggt 120
 tgtaagtctc taacgtgctg ttttaactga atgcatagat ctaaacaatcc ctgacgtact 180
 ttgagaaaaa aaatagaatn ntagttaaaa attacatant tcgttttagt taaaattatt 240
 ttttatgtat gcgttgaaat gacttggtat anctcatttt gttntaaaaa aatatttatt 300
 ttgaacaaaa taactaanaa tatttaatat aanattaaat tttaaataatn nttgtcacat 360
 gaaaagagat gttttgataa attatttatg ccattaatan tttagaatat ataaatatta 420
 taattttata t 431

<210> 10713
 <211> 174
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10713

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 ccctacttt tgatgggcaa ctcccgcctt atgacgacta tcccaggcaa gacgatgagg 120
 aaggagatac ccatctcggc cccctgctcc acctcaaaga tccgtcccca catg 174

<210> 10714

<211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10714

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agtgggttgc ctttgaatt ctgcgaatta gtcggtccgg gggcccttag accccgaggc 60
ggtgcgctt ttttagttc tcttccgcg ttggtggtta gaataaatca ttaaatggtg 120
gattcgtggt tcttggaat gtaatttgat gtttgatttt tcaggtgcaa agaattgcat 180
tagtgtttgc cgcaatgta tatgtgaacc cttgtatata acagtctgct gatgttgatt 240
gatggtttga tgatattncg atggagatga atcgtggcgt tccgtggaaa gtaaatttgt 300
tgacgaagtc ttttgtttcc aacctgtaat ggctaaatag atggtttgtt tgcaatgaat 360
agcattctga tangggatgt gaatgcnact gacacatgtt agtgacctta gctcaagcga 420
gcttgatctg atgccatgaa tgtggctatg actgcttttc tctatatgtt tggactgg 478

```

<210> 10715
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10715

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gtgctccctc cagagggagt cgatggccct gagggcgctc tcggagatga acttcacctc 120
cgagaagaag acgtagccgc gcttctgtgc ggcttcgcca gcaagcacga tgaggagacg 180
acgcgtctcc tcateggcca gctgaaagtt attggtggag agatggtggc ggaggaggtc 240
caaggacagt gtggtttggg aggtggtgg 269

```

<210> 10716
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10716

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gcctgcacgc ttcagagacg gcnatcatcc gaccgcacat ctgatctcaa ctgacggaca 60
gacgcattat attgaccaag actaccaggc ggaccttctt taccctatag ctcgacttat 120

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aataagtacg tcatatatgt aggatggcga gcattacact cggctctctgg taattgagga 180
catggttgta gaactcccaa cacgtccata tattttctag aacatcttga aagacataat 240
gttggtttaa cacaccatag atccttgtct cctccgctg acattccaag aaaagtacac 300
cacttgctca aatgtcaata cacgaatttg tgaggttatg ccagacaact ttgctgctct 360
ccatgtggac atccttatga gactcattaa gattttggca ttgtagggcg acaagggtga 420
ctcttctctc gcctttcgcg tcgaacgttg aacttctctc actgtttaat cactgcctta 480
tcn 483

<210> 10717
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10717

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aactggcttg atactccagg aggacgcgng ccactcatct cttcagactt ttctcacctn 120
gttgagaaga atccgccagg gaatatccga caaacttaga gcgtgcctcc cttctccctt 180
gtcaaagaat acatctcgac acagtcagag aattctagaa cttatctcct caccctaaga 240
cacagggtgag cacacaactc aaacgcaaag acaatgcttt tgcataccca ttactaagc 300
atcaaagtct cacagaccga gatattcgac gcaacacacc ggaagggtaca tacagagcgg 360
tacaccaaga ccgtacgaag gacgaagcta ttctgatatc acgagaggga catgcttagt 420
cgaaaccag ggcggaagaa catccccagg tgatgagaca accaggggac ggctgtact 480
cgtggacttt gttggaaagg aatatacatg gcgaacag 518

<210> 10718
<211> 274
<212> DNA
<213> Glycine max

<400> 10718

atggatccaa acccagtcct tctcattaag aactagctcc tttcttctc tattgccttt 60
agttgaatac acctttgttt ggttctctat ttggatctta accctctcat gcaacttctt 120

tacaaactct gacctacatt ccccttcttt atgtataaaa gaagtgtcaa gtgggaaggg 180
aatgacgtct aatggtgtta cgggattgaa cccatacaca acctcaaat gagatggctt 240
ggtggttcta tgaacccttc tattgtgaagc aaat 274

<210> 10719
<211> 269
<212> DNA
<213> Glycine max

<400> 10719

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caacaacaat acagtgtga gacctccatg gtaaaagcat atacaatgct taatcaccct 120
ggacagacgc ttacattagt atatagaata acacgaaact tgtcttcagt gacgacattt 180
caciaaacact ttgtgaacca acatctacta aagctaagcc atccatggta aaagctataa 240
caataacttaa cgcaccatgg acagaagct 269

<210> 10720
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10720

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cttccttattc aagggaagct taccaatgtc ttcaagcctc aaatcaatac aatgggatgc 120
acaaggagtc taataaatat gtttctcttt gtcttctaac aacttaccgc ctaaaacata 180
gttgtcctca ttatcagtta caacttaaac aacgttctct tctccaactt cctccacaat 240
agcatcaagc aactcagaaa gcttttcacc tgtcttcaca aaatcagagc catcaataga 300
cttcanaaac attgtaccag cttgagagtt aagcaaaaaa ttaatgatg 349

<210> 10721
<211> 265
<212> DNA
<213> Glycine max

<400> 10721

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tggtatacga aatgtgggat tcagtgattg acacagtgag ataggtcata taccgacaag 120
 aaagataggc acgaattgaa gaattaaaat cttataatgt cagaccctaa tttcatccgg 180
 ggactattgt tcaactgatat tatgattctt gctagttgaa ttacagagat tgacaccagt 240
 tacagtgcaa agcactgaat tactc 265

<210> 10722
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10722

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 cgaccgtgca ctcgagaaaa actatgcagg cacccgacct aaatgtctga agacaagaaa 120
 catagtcgga agcgtgccgt aaacaccaat gcattcatgt ccccgctga cggagctcgg 180
 accaagcact atcaaggatg agcgtctaga gcgcgcgatg atgcacatgc atgcaccact 240
 ttcttgacac aactaggca cacttcatgt cttgacaaca tacttttgac ccaacgcgat 300
 gattttctaca acaccgaccg acatgatgcc gcgcagaaac gaatgccggc tagagaccat 360
 ccctcagcca agatctgaac aacatccatt gataaccccc 400

<210> 10723
 <211> 258
 <212> DNA
 <213> Glycine max
 <400> 10723

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 aaccgggaac tcctctacaa gtgataactg cccgccccat gacctccac acaaagctag 120
 cgcacgccc ccctcgcac cggccatcga aagaaagccc caaaggaaaa tcgggtgggt 180
 ccaactgtaga ttgtcggcaa caagactcaa cagccaaga ttcagcacgc aggtcgaagg 240
 aaaggctcta gcaacgcg 258

<210> 10724
 <211> 247
 <212> DNA

<213> Glycine max

<400> 10724

atctttgtgt atcttcaaac aacaataact tttagactcga atgtctgata gagacccgta 60
atatacttag atgctcgaaa ttgaataccg aagctctgag catattcaaa cgacaataag 120
tttttactcg tatgttcggg tgagtcocgt aatatattga aacgctcgaa attgaagacc 180
gaatctctga acaaattcaa acgacaataa ctctttactc ggatgtatga ctgagtcocg 240
ttatata 247

<210> 10725

<211> 250

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10725

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agtaagaatn gacgagagaa ttagctcgag agttcgacat tcaatctcga gcatctcgat 120
atattacggg actgaatcag acatccgagt caaaagcgat cgtcaataga ctttgctcag 180
atcttcaaca ttcaatttcg agcgtcggga tgtcttacag cactacttcg gaaatccgag 240
taaaaaccca 250

<210> 10726

<211> 309

<212> DNA

<213> Glycine max

<400> 10726

agcttctcta tatattatgc acctgaatca gacttccgta tgaaaagtta tgaccatttg 60
aatttctcga gagcttccgt ggttcaattc caagcttctc gatataattat gcgcctgaat 120
tggacttccg tgtgacaagt tatgacaatt ttaatttctc gagagcattc gttgttcaat 180
ttcgagcgtc tcgatataatt atgcgcctga ataggacttc cgtgtgatca gttatgacca 240
tttgaatttc tcgacagctt tcgttgttca atttcgagcg tctcgggtata ttatgcgcca 300
gaatcggac 309

<210> 10727
 <211> 206
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10727

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 tgaagcggac tttcggcnga naagacatga ccatttgaat ttctccagag ctttcggttg 120
 tcaatttcga gcatctcttt atattatgca cctgaatcgg acctgcgtgt gacaagtcac 180
 gaccatttga atttctcaag agcatt 206

<210> 10728
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10728

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 aaagatgacg acaaagggtga tgacaaaaag ctcaaagatc aatcaaagaa caactcaagt 120
 gaatcaagaa taattcaaga gttcaagata agaattcaaga agaattcaag actcaagaag 180
 aaagttttaga gtcaagaatc aagattcaag attcaagggt caagatctca agaattcaaga 240
 tcaatattca agactcaaga ttcaagaatc aagagaaggc ttaatcaaga taagtattga 300
 aaattttctc acaaattgag tagcacatga tttttctcaa aacatgggta ccaaagagnt 360
 ttactctc 368

<210> 10729
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10729

aactgtgaga aagcaaccat actatgaagg tataatcaat gttctctctc tatgatctcc 60
 ttgagattat gtgaattttt tcatctgtct agtcttgggt gtggctaccc aacaaattgg 120
 gtggagctca tggctcttgt ggaatggtgc tggcagtctc catccataac cgtctccatc 180

ctgaagaatc tctgtcacat ttaatggctc agcctcagac aaaataaaaa accatatatg 240
atgatattnt cctactcaca gaaaataaat tgaatgatga gaggtaactc tacacaactg 300
atTTTTcgct ttCagagaag atattcttat ttttattaaa agaacaacgt aaaatatttg 360
tacactataa tatgtttaaa tgt 383

<210> 10730
<211> 386
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10730

agcgtcctta agttgattcc taaagaagct agaagctagc tacacatacc tctctaatag 60
ctaagctcac ctcttgaga tgagaagcta gagcttagct acacancccc tataatagct 120
aagctcacc ncatgacana aaacatgaaa ataaaaaaga agtccttatt acaaagacag 180
actcaaatgc cccgagatac aaggctaaca ccctatacta ctagaatggc caaaatacaa 240
ggcctagacg aagganaaac ctattctaata atttacaag ataagcgggc tcatacttag 300
cccatgggct cgaaatctac cctaaagctc atgagaaccc tanggcctnt ccttggatct 360
ctagcccaat ctacttgag tcttct 386

<210> 10731
<211> 468
<212> DNA
<213> Glycine max
<400> 10731

tgtgtggtct ccattccaga atccaaacat tacaagcaaa atttgtcatt cattgatcca 60
catgggcttt attgggcttg taacgtggtc aggggtaaga gggctatgaa agaaaagatt 120
agagaggctt aaagagtgtt taagggtgtc ataccctaata ttcacccggg gaccatccgt 180
tgttgggatg cgaccctcgt ttgaccactt cgaggatattt ggcacccatc gttagggaat 240
tagtgaagtt ctgagacatg ccggaagcca aaagaaaagg gttgtagcac aatccgtgaa 300
gttctgtgac atgccggaat taaaaggaa gtgtgagtgac acaatccgta aagttccgta 360
acgttccgga aggcaaaaaa gggatgatta cgttatccgt acagttccgc aacattacag 420
agataaaaaca agtatcgta cgaaattcgt aagtgtccgt aactttac 468

<210> 10732
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10732

agctagtttt tctatatcta gatgaggatg tttcatatgt tctcaagact ggactaatac 60
 attcgctacc caagtttcat ggtcttgcac gtgaagatcc tcaaaagcat cttaggaggt 120
 tccatattgt atctttcacc atgaagcccc ctgatgtcca ggaagatcat atctatctaa 180
 aggcgtgtcc tcattctcta gagggagtgg cgaaagatnt cctgtactac cttgctccta 240
 ggtccattac tagctgggat gaaccttaga ggggtgttctt ggagaaaatc ttgcctgcat 300
 ctangaccac tgccatc 317

<210> 10733
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 10733

aaatgatttc tatacaaaaag ttagtcatat aaagcgacgt acatcaagcc acattttacct 60
 gcaattatct tacacttatt gaggttacca caccgcacac cagacaatat ttgtccatgc 120
 ttctgcaccc tctacttgtc aacactacta cccctgacat cagatactct cctttgacac 180
 tggacaatct ctgggacaca tggcactcta agacacatgt caaccctcca tgtcagccct 240
 gcaatagaag cgcgaaact cagccattag cagtcgggct ccccaaataa caagttatct 300
 ctaacctatt gatattgtaa tatctttatc tattggcagg tagttaatta tctacaaagc 360
 caaaaatta tctacaaggt acaattatct tctagctttt atctataagc tatgagttat 420
 ctctaacatt atctataagc tcttggtat tatctataag cc 462

<210> 10734
 <211> 533
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10734

ccccacacca cccacacccat gaagccaaga aacaccacac tncnacnccc tnccccccaa 60
ccaagagttg acctgcatcc ncnennnana anaccgggcc ngggaaacac aacgagagga 120
ggaggtttgt tttacaaaaa agctcggetn gggcgngggg gactgcaca agatgctgca 180
ccagcacaac aagaagccgc aaaagccatg catggcccta gagcccgaaa gaactaacc 240
gagccaaaaa aactaaagg accaccagct gctaacggaa cgaataaaaa ctcaccacaa 300
gggtcccccg agaaaagcgg gacgctcaat aactgacgag taggagtga ccaccgacgg 360
gtcacgaaga cagaccaaga tttacaacag cggcgtcccc gaaaaacaga aaaaagcccc 420
cccatccgca agcaggagct gatacacaca aagacagaag gaacaccatg cccagacagc 480
gcatcaagga aaacgaagca cagcccgacg aaaaacccga aaccaagaa ccg 533

<210> 10735
<211> 508
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10735

ggcgagaagt tgagaccctg gagnttcgac acacntgttg aacagcctcg tancaacgcg 60
canacttngc acacagagca agggcangat attgctgcnc accacatatt tccaagattt 120
tgtcaaatca gagecgggag gcgagacggc acattttcca ccaacgatat gcacgtgaga 180
cacggcgagc tectcccata gaaccattca tatgggacac ccctaaaaat gggaccgact 240
aaccaccaat ttaagatggc gctgcaccg ttatcgactg gcgcccccaa gaactttgga 300
aaaggagcca cacatccaca aagtctgtcc caacagtaca gagatccact cgtcctaaca 360
acaaccccat ttgcagagg ggtgcccgcg agcaaacagt agccccaaac cacagcgtat 420
cccaacaaa gacatacttt atctaaacac accgcctgat cctccaaaag aaaggactta 480
agtaccctc cagcgagcg gacccccg 508

<210> 10736
<211> 346
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10736

gccctcatt gcccaagtgt agggctttga ggtatcaacc ttgtcttttg tcatgacctt 60
 gtagtaaaga agaaactatg catgttctca aaaatgaatt ttccaggaca agaaacattt 120
 tgaacgattt tttttttcaa ttgacanact aagtcaaatg attcctactt ntgataactc 180
 acattctctc tcaaaaaaga taaactctca agaatgataa aatgagggtca catgaatgtc 240
 tgtactctat ttgacacaca gtcaatcaaa tgtttttatt cttctatttt gaaacttato 300
 tgtttgaact ctactcatcg ttttacgaca cctcaccaa atgtgt 346

<210> 10737
 <211> 434
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10737

cttgagaaaa cttccttgag aagcttcttt gaganaactt ccttgagaag ctagagctta 60
 cctacacaca cccatctaata aactaagctc acctccttga gaagcttcct ttagaagcta 120
 gagctgagct acacacaccc ttctaataac taagctcacc tccttgagaa gagaatctag 180
 agcttagcta cataccccta taatagctaa gctcacctcc atgacaaaat acatggaaat 240
 acaaaataag aagtccctac tacaaagact actcaaatg ccctgaaata catggctaaa 300
 acctatact actagaatgg gccaaataca aggcccatc gaaggaaaaa acctattcta 360
 atatttacia agaagagttg atccaacctt gacccatggg ctcaaaaatc taccctgagg 420
 ttcatgagaa ccct 434

<210> 10738
 <211> 347
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10738

gggctctggga gacaaagggtc aagtgggtcg gatatgcaa gatgatgttc cgagtacatt 60
 ggatttggtg cgaccatgcc ctctgattt ccaactggga aattggcgag tggaggaacg 120
 ctccggcatt tacgcaacga gcataatgta aacctttatg gttttaaaag ctctatagtt 180
 gggcctaagc tttagagttt tttccttttg ttgaggcttt gtgtcttttg tttntgaatt 240

tataatacaa ggatctttct tcatctgttc ctacgtctct acccattctc attcatttgc 300
atgtttactt ctttttctga aacggcagat ccgatgacga gtcccc 347

<210> 10739
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10739

cttctcnccc aattntctat aaatnggggg agaagtgaag tananttttg gttagccct 60
tatgcacttc tctctctctc gaaatagctg aggaaaatta gttccgtgaa caaaatccaa 120
gccgaggcgc ttccgtaacg tttccgtgag taattacgca aagattctcg accgttcttc 180
aagattcadc gttcgttctt cgatttcttc agtcttcaac gggtaagtac ctcaaaccaa 240
gcttttcaat tcattctatg taccctgggt ggtccacatt ntgtttcatg tatttatatt 300
ctcgttttca ttacttttt atacccctt ttgacgtgct taagccattt atttaagtca 360
tttctcgctt aatctaaaaa ataaatatat ttccaccgat cgtttgaatt gtatcatccg 420
ttaatttcgg gtaaa 435

<210> 10740
<211> 347
<212> DNA
<213> Glycine max
<400> 10740

agcttattaa ctaatgagat ggggtgaggc cttatctttt tcttgatctt gtttgcttta 60
accttgaatt attcttgaag caatgcttaa cctttgaatg tttgttgaag taaccttgta 120
ttaatcttaa agcaatgttt aacctttgaa tgtttggtga aacaaccttg ttgtttgatt 180
ctactttagc atcatcaaaa ccatgtattc atacattcac aggccttggg gttagttgat 240
acaccatac tgtgtagccg ttgtgagaat gaagaaaata tctctctctg gacctaaagt 300
tcattgattt ctctcattct taacgaaatc acattttgag tttgata 347

<210> 10741
<211> 381
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10741

tccagattgg tatgcatgac tacaactgtg cgtgcccaagc tgttttgaaa ganatgggtcc 60
aataactttt cgtgcatgac atacgcccc atcttcgggc aatacatccg gagatgcccc 120
tttgacatg tcgtccctat gtacttatca aagtctagta ctttgaactt gtgagggatg 180
acgatgttgg gcacaagaca taagtccgcc aaatacgaga atgggtaatt gccaaagacc 240
tcaactgtc ttaacctatc ttcaagcgcc tcaatctatc ccttatcttc cgcaagggga 300
acagatactt ttacgggtgt gggtgacgcc gagatatggc agactatgtt cggctggggg 360
aaaacatgac gagatggatc t 381

<210> 10742

<211> 344

<212> DNA

<213> Glycine max

<400> 10742

agcttggtat taacggaagt aaaggatacc gacagtaaac gagatgaaga tgaaagcata 60
ccaaacaaga ttggatcact aagggtgcat agaatagaatt gaaagcttct aaataaaaaa 120
ctaaccgatt gaagctcgac gaacgatgaa gaatgtatga agaacaggga agatactttc 180
acggaattga tcacggaaac gtctcgtaag tgttacagaa gtgtctcggc tgtgattttt 240
cccttcttct ttcttctcct caataatatt aggtgatttc tgagctatca aagtgtgaa 300
ccctcaaac tcagccccct cagccattt tataagaaaa tggg 344

<210> 10743

<211> 177

<212> DNA

<213> Glycine max

<400> 10743

tcttgcgtag ccgctcttgg tgctcagtat atccccaaaa caaatcctc ttattactag 60
ctattttgaa ttctttagtt cctgaatata caaccttcaa attgttgctc gtccccctct 120
tcaaaaatga ggaggatctt cataggactt catccagttg atgtttatcg ccagtta 177

<210> 10744
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 10744

tttctacaaa taaaccaaaa tcaatggggt gatcgttgat gtgccattat tttctcctat 60
 ctcgtaaccc tgtatgcacc attctaagta ctgattaatg ttaattgtcg aattaattaa 120
 gcagaatgat tatttgggcc cattaaccta atttgatgct cttaatctaa tttcaaaaat 180
 taatgaagca ttgggcttga atccacaatt gggcttggat ttgaagagga caaactatgt 240
 tattctacta aattagatct tatcttatca tatctagata ttatttagat tggatctcat 300
 cgagatatta tttcagctag atctaattctt atcttatcta 340

<210> 10745
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10745

ntactatgca gagaatatcc aaggaatata cttcatctg acttatcatc aaatattcct 60
 aagttatctt ttccattatt caatacaaaa catttacaac caaagatatg aagggtgtgag 120
 atgtttgggt ttctgccatt gaacaattca tatggagttt tctttaaaat ggggtcttatt 180
 aaagccctat ttaaaatgta gcatgcagt ttaacgactt cagcccaaaa gtattttgga 240
 agaggagtat catttaataa agttctagca atctcttcca aagatctatt tctcctttca 300
 acaacaccat tttgttgagg ggttcttggg gcaaaaagt tatgctcaat cccatgctta 360
 tcacaaaata tttcaaattc tttattttca aactcaccoc catgatcact cctaatagat 420
 ataatcttta gatttttctt atattgaatg atttttgcaa g 461

<210> 10746
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10746

agctttgttg ttntgggtctt cgccagcaaa aggattgaag tgggtctgaa aaaagacaaa 60

tttaatcatc ctgcttggac gactgagana actgnggcaa atgaagaggg tgagagtga 120
 tgggaaaccc atgctgcgtc tgccgtttct atataaccaa gtttcccacc aaccaacaa 180
 tgtcattact cagccaatat cagcccttct cactaccac caccattca tccatgaagg 240
 ccatccctag atcaaccaca aaacccacct tccacacaac caatgctaaa caccaccttt 300
 t 301

<210> 10747
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10747

gcttgtaggc ctaggatctt cttcatcaat gtattccttt gcttcttga agatgaatgt 60
 ctgctgaatg gagaaaggaa gagagagagg agacgccact tcaaggagaa gatgagtcta 120
 caagaagctc accaccatac gaggccatgg ataatagctt ggaggaagaa agagatgaat 180
 gaggggagag ggagagaaga gcacgaaatt ttgtgctcca aatgagctct gaaatctgaa 240
 gtttaatat caaatgatca aagttganaa aaatgcacac acatgacctc tatttatagc 300
 ctaagtgtca cacaaaattg gagggaaatt caaatctcac ttgtatttga aattgaattt 360
 gtggagccaa actctggagc caaaatttca ctaattatga tcagtgaatg ttagttatg 419

<210> 10748
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10748

agctnggttt gaggtactta cccgttgaag actgaagaga acgaagaccg aacgatgaat 60
 ctttgaagaa ctgtcgagaa tcttcgcgta attactcacg aaaacgttac ggaaacgtta 120
 cggaagcgtc tcggcttga ttttcttcac ggaaataatt ttcctcagca aattcgaaag 180
 agagagaagt gcttaagggg ctgaacctg ttcttcttca cttcttcccc tatttatagc 240
 aaaatagggg agaagcttgc cgcccagctc gcccaggcga gcaaggttgc ttcctccaga 300
 agagacaacc ttctggagga atctttt 327

<210> 10749
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10749

atagaaaactc agcttgtgga gtagaacatg ggaccaatta ttgtatttca naaagtaagt 60
 cgtatctatt caaggtctga gagaccatac aagtttccta acgatttcta attctgtggg 120
 ccattaagtc tatcatatgc tgacaatagc cgagaagccc atgaatctct tcgggggagg 180
 agtaggtgtc tgccatcacc ttggccttgg ctaacaatcg ggggaagttct tgactcccg 240
 tcaaggtaag agcaaaccga tccatccaca tgggtgcctc ttggtgtaaa gaggatgatca 300
 ccttctctct agcctctttt tccgcgtata cttgggcata ttcgtccgca atcctatgct 360
 cgtggggcgc ggctagacct aactcttctt ggtacttggc gatgatagct agcatattgg 420
 tctccgtctc gcataaacgc tgagacaagc ttcttt 456

<210> 10750
 <211> 295
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10750

ttcttgata taagcatgat tgggagctta ctatatataa cagctagcag acctgacatc 60
 acctatgcag taggtgtttg tgcaagatat caagccaatc ctaagataag tcacttgaat 120
 caagtaaaga gaattctgaa atatgtaaat ggcaccagtg actatgggat tatgtactgt 180
 cattgttcag attcattngc tgggtgggtat tgtgatgctg attgngctgg aagtgc aaat 240
 gacagaaaaa gcacttctgg tggatgtttc tatttgggaa ccaatcttat ttcatt 295

<210> 10751
 <211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10751

tcaagaataa tgggtttcatc aaattattta tttcccgaag ggattttctgt aaatatgcct 60
cctatactta atggcggttg ttaccattat tgtaaaaccc acatgcaata ttttataaag 120
gcaatacatc tgaatatctg ggaagcagtg gaatatgggc cctacattcc cactatgggtg 180
gcagaaaata cacatagaag aacctangga agaatggatg gaggaagaat agatattatt 240
tc 242

<210> 10752
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10752

ttctttcttt caacaaagag aagagaaaga tgaaagattg aataaataaa agtagtgggg 60
atgtatccta ataataataa tctaaaaaga aaaaatcatc atcangaatc aacaatgtca 120
acagtgtcta aattggggaa tcagtggagag caacaacttc tccagatgac gaaccacana 180
gatcagcaat tctccaact anggaagcag gggggtcagc tgtttctcca gctgggtgaat 240
caagaggggc agcagcttca tctaattgat catcgaagat gagaattaga ggtggagatc 300
ggggaactac tt 312

<210> 10753
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10753

gcgagcctc tactctatga cttgcactag aacatgnnaa nttgctggta gncgnaacag 60
gagagacatc cgagagactt gcttgccaat gttaggaatt cttcctggaa tctgctgcaa 120
gtgatctgtc tgtataattt cggtaacgac ctcttgacaa tcaccataat caatgcatct 180
gatcctgcga caaactcagc tttatacttg ccctagccc ttcaagctat gttagcattg 240
tttttccac tctccttcc atgtgtacag gaaggctcat ctatgtctgt gaaaagcact 300
tgcagatctg ttgttaataa ctgggtataa aagaacacct tcaagcactg gaaccacata 360
gagagatcat attgtgttg cacaggacca actgcatgta ccttaaacac aataacc 417

<210> 10754
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10754

agcttgctctg atgtctatac cgctgattta atgtaattag agcctataga tttcctttct 60
 ctattgtttt ctgaaatcta cctcattaaa taaacaaaga gatcttggtt catctgttct 120
 tgcagttcca ccttttctca tatcattntg catgtttttg tttctttggt cttgtttggt 180
 atagatatga gggtcgattc tttgaggatc ctaacaacga gggtttgaca actcgatttg 240
 atagagatat aagccaaacg ataaacgagg aagaggaaga ggacgtcctg tcaccatagt 300
 tggagagggtt ggtcgctcac gaagaacgtg aatgaagcc ttaccaagaa gaaaccgaat 360
 tggtaacat 369

<210> 10755
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10755

tagtagggaa tctatccttc ctaagatgga gtttaaccca ttcaccctca ttaagaacta 60
 tctcttttct tcttaattg ccttttagtg aatacacctt tgtttgtttc tttatttggt 120
 tcttaaccct ctcatgcaac ttctttacaa actctgacct agattcccct tctttatgta 180
 taaaagaagt ttctagtggg aggggaatga ggtctaacgg tgtagggga ttgaacccat 240
 agacaacctt aaaaggggac tgcttggtgg ttctatgaac cccctgttat aggcaaattc 300
 tacatgagga agctactcat cgcaagactt atggttgccct ttcagaanag cccttanaag 360
 ggtggataaa gacctattca ctacctctgt ttgcccatca gtttggtgat gacaagtggg 420
 agagaaaaca agtttagttc ct 442

<210> 10756
 <211> 529
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10756

ngacttacta gacgctaaga acactctaag caatncagct ccggggccgcg attcaatgaa 60
 ccgacgtgca tgcagegcta atttatttct ccactcacct tatggcattc cattcctcat 120
 actctccttt accataagat aataactaac ctatctaatt tctaattcat acccttcata 180
 ttccaactat tcccttacat aactatatat tgaggatatag cccttctttg tcttcagtat 240
 agatcttgat tcgaatattg cgatcccttg cttatttcgt tacctctgct ggcttcctaa 300
 gaggagaaca canatagtag cagcctcaac tgcgaaataa cagataactc caacanttaa 360
 gaaacacaat tcagagctct atgttccaat agaatagtag cagcagcaac tgctggcttc 420
 ctctgctgca cttacatana gccaaactccc aatttttgct ccaattgaat tggcaattga 480
 ctagttgagt tctcaccctt ggtgggtggcg gtgatgagca caagtaccg 529

<210> 10757
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 10757
 tactttgatg aataagaagt ctggggcata tgaagagaat atgagagagg gaggaaccca 60
 tgctcgtgact gtcgatccta catgggcaaa tttcccacca gctcaacaat gtcaatactc 120
 agccaatatc aacccttctt attaccacc accctatcag ccatgaacac ccaatcattc 180
 acaaaggcca cccctaaatc agccacaaag ccgcctgcc gcacatccga taccagacac 240
 cacccttaac atgaacaaaa acaccaatta gggaaggata tttccagcaa agaattctgt 300
 aaaattcacc ctaactccag tgctgtatgc taacttactc ccatactctac tcaataatgt 360
 gatggtagcc ataaccct 378

<210> 10758
 <211> 288
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10758

ttacattgat gtttatggga agaggttgta cgccattttt gttttaagag tagtgtccca 60

ctggtaaaac taactttcca aatgtttgcc ttcgcaggaa atggcccca ggaagcttgc 120
ctcatagagg tccaggaaag acaaggcagc cgaaagaact agttccgctc cagagtatga 180
cagtcaccgc tttangagcg ctgtacacca gcaacgcttc gaggccatca aaggatggtc 240
gttttccgg gagtgacgcg tncagctcan ggacgacgaa tatactga 288

<210> 10759
<211> 305
<212> DNA
<213> Glycine max

<400> 10759

caaccatctg gatgaatctt ctggttggcc caagtgggcc tggttgctat ttgcaccctc 60
attttactaa tacacccctt cgccctttta tgggatcctt ttttcgaaag tacggaacta 120
cggatttgca caatacttgt ttctttccga atttacggaa cttgggatac ataatcatcc 180
cttttttact acggaagtta cagacctcac taatgtgaac gatgctcctt tgatttccgt 240
ggtacggaac ttcggatttg catcaaactt ttttggtttc ggccatatgg actcacaatt 300
gccta 305

<210> 10760
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10760

gcctttgaga gctccccctg aatattcttt cgaaaagttt tacttggctt tcaccacaat 60
attctttaag cgtctgcaaa ctttacccaa gtatctttct gaaagtctct ctaggctaag 120
aaccctcatt atacttgta tttgactctt atagcaactt gtcgtgatca ctcaaaacct 180
ttagaaccag taatccccta attgctctcc cgaggttccc tattctacat agattttttt 240
atcagcanat ggtagttgt tagaatgtta gtttttttag tagaggggga tngaatactg 300
acttttacct tcttcccttc tccattaaca atcannaccc actaatangg gtttgtgtaa 360
gacaagtatc taatgcacct ttcattgaaa actcatcagt aagctccctt tg 412

<210> 10761
<211> 444

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10761

```

cttctactta tgtggcangg cgggcttctt tcaactttctt gactcctacg cgagctctga   60
ccactgttct tecttcccg c gatgcttctt tgtatgtccg cctgagtggg cttatagcct  120
ataccatact tcccacgatt tecttgagtt tttatcaggc tagttatgcc gccattgtct  180
ttccctaaac ccatcccggg ttcanaaccg ttccccaaca taactcgggc catcattacc  240
gctgcatcgg acagacaagg ttgcccaaag agggagtcaa cggaggaaat gctgaccacc  300
tcanaagact gganagcagt ttctaacgat tcttctgcgg cttccacata aggcatggag  360
gatgggcagc ttaccaagat atcttctctg cctgacacga tgaccaagtg cccctccact  420
acgaatttca gcttttgggtg gagt                                         444

```

<210> 10762
<211> 530
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10762

```

agaagctgcc tttgctagac acacacggga anngagcacc ggccangcga taaagnaaac   60
cggaagggat ggaggcgggt tacttatctt ggatgganct ctgagaacag aaggtgtttt  120
ggccaacaaa aaacagaact tattttctct ttggaaagat tagaagccga taccttgttt  180
tcattattga tatacacaaa ctgttggggt tgaattgttg ttactacaat ttaaattattc  240
tgcattgacat tttgtgattc tatacaatat tattgacctg tccgtgtaaa taaattctga  300
agcttggtgt ctttgagaat gcacaaatag ggaaacttga tccctactct gttccagaat  360
ccaagaaaat gcgaacttgt gccactgctc cagtgatgat ggctgctctt ctgccaaca  420
naagataatg caaacttctg ctgctgctga tgctgctaca tatgcttcaa ctagcactgt  480
ggccactang aatgaaccat atatcctgtt atgtcatctt caaaaccatg                    530

```

<210> 10763
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10763

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gagangattg acagaatggc attgngatca ctatggctat gatcgacgcc gcaattggag 120
ggtatgcatg aagatagcta cctaaatcat gtaatatctc tggctttcaa gcacttgtga 180
gaaatcgagg actggcgact aaaagacacc tggcggttta ccacctcgtc tggatgtatt 240
gaacactccc atggatgact tctactgggg gtagaataga tgggactgtc taaggccctc 300
tttcacagat ggtgtcgcac acccatcata aggtcttacc tgacctcgt cgctgacaca 360
taacatagtg gacatggggc gaccatttca tagcctaacc aagagcacat ctctggatta 420
taaaatgcgg cttgtataga acccn 445

<210> 10764
<211> 290
<212> DNA
<213> Glycine max

<400> 10764
tctttgcaga tgagaatgct tcagaaacat taagaaagct agcagatggg ctaaaaagaa 60
atgttataac cgggcaagga tacgacataa acaggtattc attttacaca aaagcacaag 120
atgacaaaag tacaatgcag aacagcgggg tcaccctaag ggctgaatct caacactttg 180
caagtgtcaa tgacgccaat ccctgtgtag cttccatccc ttactttggg ttcatgtatg 240
aaaattggga gcttaattat gtgaaaatta cagtatgtgt tttcaaattg 290

<210> 10765
<211> 211
<212> DNA
<213> Glycine max

<400> 10765
atggaatcta ttatgaaatt aaagtgcac ttatggttgt atggacttct ttttttcttt 60
ttcaagtttt gacttataaa atgagtctgt taggtgtgaa aatatagggt accatgtaaa 120
atztatgaca actgattccc agaatactta caaatctaaa aaatgagttt aagagtgaaa 180
catggcagca acttcatatt ggacattaga t 211

<210> 10766
 <211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10766

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agctttgttc ttccaccgcc gccgccacca tcatcttaga atatatttta atattattag 60
tactttgatt ttcagccttg tattttggct atattattat ggtatttgaa caatttacta 120
tttccttatt tgcattggat ggttgaacaa gtatgttatt tgactattta ngaaagatct 180
tacttcacga tttgggtgat gttttttcat gaatgttgtg tgaatgttta gttatgattg 240
attatttcaa atttgttaca cacttttagct ctttattgat gccaaagggtg gagagaaatg 300
ggattaaaat caagaactca catgagtaat caatttaat 339
```

<210> 10767
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 10767

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ctcaagcttc ttatccaaag ctcattcttg tgggtgtatct ccttcttcca ttgcttattc 60
cctattggat ggcgcctcct ctgacctctt ctcttttgct ttccgctgca tctccatagt 120
ggaaaatcac cattaaagga actcattgaa gctcaaagat cgagtctcca tagaagcccc 180
acaagcaagc ttcttcaagt ggtaatcaga gcacaagagc ttcaagtagg tgttccttac 240
acctccatat attttctgct ttaccttctc ttctattggg gtcacttcat ttttctccat 300
gtatctcctc acatgtattg tgctaaatgt ttttaacatg attctttaca gtttccactg 360
attaaacttg ctatagaagc tagatttgat tttctatggc tcaaatttct tgttcttggt 420
cttg 424
```

<210> 10768
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10768

atcttgttta atggctagac atgatacatg tcagggtttg gtttggttta aagataaaag 60
ggatgccccca cattatttcc atgacacaaa tgcaaaaatg atgatctgga aactntatgc 120
aaaactggtc atgcatgcac ctatgtggac actcaagtgt caaattttta tggtcatgtg 180
atgctagggc tcaggattca tttcctctat tntagtcaac ccaatgtttc caaaatatgt 240
tcttttatcc atatgtgcat tcatccgagt ccattttggg cgtccgggga aattttcaca 300
gcattcaccc t 311

<210> 10769
<211> 350
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10769

ctataagcgc gggctctnga gacgaaatgc tagtggtcgc gaatttcgan gatgatgttc 60
cgagtacatt ggatggggta cgacgatgcc ctctgattt ccagctgaga aattggcgag 120
tggaggaacg ccccgacatt tacgcagcga gcataatgtt aacctttacg gattcaaaag 180
ctctatagtt gggcctaggc tttagagttc ttcttttagga taaggcttag tgtattcttt 240
tttttaaagt tataatacaa ggatctttct tgatctgac ctacgtctct acccattctg 300
atgcatttgc atgtctactt cttttctgaa acgacagatc cgatgacgag 350

<210> 10770
<211> 353
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10770

agtttgatth ttatgagtna gctngggaaa aggacaagct aacttggaga aaccttctat 60
gaatctctag taatatcccg ctaaaccag aaaaattctg atctcaaaca caaacttagg 120
actctaccac ttaagaacaa cttttatcat acagggatct acaactatac ctcttagga 180
tatcacatgt cctaagaaac taactttctc taaccaatac tcgcacttgg acaacttact 240
gtaaagatgc tgggtccctaa gggtttgcaa gacaatctc tagtgctctt catgctctc 300
tctagtgtctg gagtatacca aaatatcatc tatgaatact accacgagct atc 353

<210> 10771
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10771

tggatgatct cgatgttcta ctgaccgaat tattgttcat gctcatttag tctgagctac 60
 gggctgctag agagagggag gccacaacg agcttgatga tgagcttttc attctcaaga 120
 atgatgccgt ggagcatcat gaaacatggc cttacaatc cggttggtgca tgctgtgttc 180
 ttcaccaacg accttgactt gggctctctt gaccctttta acgacgtgaa gaatgggtgtt 240
 ttgcttgaca tagacgatat tgctgctaac gaggagtaag gcgatgatgc cattgggttac 300
 ggtgcctttc gtgtattctc ttcttttctc cattgtttga atctaaccgc atgggcctct 360
 gtatcatgac aaattttctt cataagctct ccttcgatga canaatttgc actatatatg 420
 tatgtcttga gcgtatgcgt ttatctatg 449

<210> 10772
 <211> 202
 <212> DNA
 <213> Glycine max

<400> 10772

ctagagcgtg agctcacaca cgccatctca taactatact cacctcctgg agaagcttgc 60
 ttgcgatgat ctctcacgaa gctagagctt aactacacat acctctctaa tagctaagct 120
 cacctcgttg agacgagaag ttatgactga actactcacc ctctatctac ctaaacttac 180
 ccccatgaca ctaaactatgc ta 202

<210> 10773
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10773

cccctattgt ttgaatgatg ctaatcttaa gaatacgcgg atgactcttg agggatattg 60
 attgagaacc atttctctcc cccttgggca tcaacgaaaa gccaaagtgc gtatcaaata 120

aatntaatTTT taacatccat acaatgtgca taaaaaaaaat atccaccaa tcatgaagca 180
tgaagcaaga accatgaaac catgaagcta acaaccatgc atagataaat tataaaactcc 240
acatagtcaa atgacatact tattcaacca aaccatg 277

<210> 10774
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10774

agcttattct gtctatacta acaatatgca ataactagcc ctccaacttg atccccacta 60
caacacaccc attnttttcc ttttcaaagc cattcacaac atactcaaag aaaaagaata 120
aaatactcaa attcaagaaa attgttggat gcctgatatc tttagtttct agaaaagaat 180
atattagttt atctttttaa atttttattt tttttaaaccc atatcaaaat ttacatcaag 240
tgaataatcc atgttaacaa caaacatcat caattcacia aactagaagt tcacctctca 300
ctctctcagt cactgtataa aaacanagaa agaaagattt tcaacaacac acaac 355

<210> 10775
<211> 511
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10775

aggacgttgc tgatgcttgt aatcacacat agtttgacnc tttgcatana cngacacnat 60
agaatctcaa gctgtgctgc ncacggttgc tatanagaga gatgtccacg cnccttttag 120
tagagacaga naaggcagcg tgaagatctg catagaccag atcttgaaac acgagccgag 180
atgagagctt gaaatgattc tgcgagcgat tgcgagatcc tataggtgac cgacacgac 240
ctctccactg gtgttgtaag catcgttcct catgtacttt tcttatgtgg tgacaacgct 300
tacagggatg gaaagctata ttctttgatg gttcggtcct cgaggtaact cgtgaaggat 360
aatctatatc tatttaacga tgatntgtgg gctgtccgtg tactctcacc tattacacgc 420
cctatagcac ctgaaaccgt tgagcttgct tggttagggtg atcaatactt gaactgggta 480
gccataaccc ctggtatgga ggctcacttc c 511

<210> 10776
 <211> 243
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10776

agcttttttta actcattgta atcgattaa acagagaatt tttgtctcta aagaaattnt 60
 tctcagatag aaaattntct tcaactcagac tatgaggatg cacaatgcaa cacanatatc 120
 aaatgtacta aaatgcaaca atcaagttaa caaccaatac aaatgccact caaaggagtt 180
 gggcatgtaa aagccaaaac ttcttctaaa acttcttcaa attnttcttt gagcttcaag 240
 ttt 243

<210> 10777
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10777

tctcanaata agtattcatg tagaacttgt ctttgtttcc tatncatggt cttctaattgg 60
 aatnncagct acaagtaact ttctcnagtt cttccacggg ctgctcgagc cttaccacaca 120
 tgagtgatca tgtcatgact ggtttgcttg aggactgtaa ctttcatggt tgcacaaac 180
 anactttgga tatcattggc aaagatttct tgggctttct tccaaaagga acgacatgat 240
 ttaaattgatc gaaggatttc caagatatcc ggctcaattg attgccataa cagggcacac 300
 agttgataat caagcttctc ccattcaggt cttttatcat ctgaaacaga atctgaggtt 360
 ttctccaagt ggtcatggtg tccttgacca aggaaccaca actccacgga agcagaccac 420
 gaagggtagt tttt 434

<210> 10778
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10778

nggctgacgt agctagctat cngcattnac tcgacccggg tccttaacaa ccggggcggc 60

gcctttttat tttttggttc taaccttgaa ctggcgcttc atcttntctt tccctcttcc 120
 cttggccaaa agaattccgc cagggccatt ccgccggaat ccttttgggg cctctcctct 180
 cccttttcca aagaaccnaa gggacttacc cgctgatat cttttggtgt cttcccttct 240
 cccttgtaaa agaattcaaa atgacacaat ctaagaattc tttgattctt tcattcctaa 300
 tacanaagtg tcanaggact aaccgcctgt gaattctttt gatccccatt cacaaagtat 360
 canagggtta accgcctgag atctttgtct taacacattg gagggtagat cctttgtgga 420
 caagtagagg gacatctact tgnngttgtt gaaacaagag aggtcatctt tgggatcagt 480
 ctatggaggt cn 492

<210> 10779
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10779

gattcctaaa gaagctagag cttagctaca cacactctct ctaatagcta ttctgcctc 60
 cttgatgtga gaagctagaa cttagcttca cacacctttc taatagctaa gcacacctcc 120
 tagagatgag aagctagagc ttagctacac acccctata atagctaagc tcaccncat 180
 gacaaaatac atganaatac aaaaaaagtt cctactacaa agactactca aaatgcctcg 240
 aaatacaagg ctaaaaccct atactactag aatggccaaa atacaaggcc caaatgaagg 300
 gaaaacatat tctaataattt acaaagataa gtgggctcat acttagccca tggactcaaa 360
 atctacccta aggtcatga gaaccctagg gccttccctt ggatctctgg ctcaatctac 420
 ttggagtctt tta 433

<210> 10780
 <211> 313
 <212> DNA
 <213> Glycine max
 <400> 10780

togataaatc acgggactca gtagaacatc cgacacaaca agtattgccg ttggattagg 60
 ctcaaacctc caccatcaaa ttctaagcgg cttcaatatg taccgggact caatcagaca 120

tcctagaaaa aagtattgtc gtttgattgc tcaaactcac atcattcagc gttgatgtac 180
gactatcaac tcggaaaagt atgcgtgaag ctaagtcaca tcattcagcg ccatttacga 240
ctctcaactc agaaagtatg cgtgatgcta actcactcat cacgccattg acggctataa 300
ctccaaagat gcg 313

<210> 10781
<211> 437
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10781

accaacgacc ataactatctt actcggatgt ctgatagacg ctcgnaatat ttctagacgc 60
tcgaaatcga atgttgaagc tctgagccaa taaaacgat actgacttta tactcggatg 120
tctgattgag tcccgtaca tatcgagacg ctgcacattg aatgttgaac ttctgagcta 180
attcaaacga caataacgat tttctcggat gtctgactga gtcccgtaac atattgagac 240
gctcgaaata gaatgttgaa cctctgagct aattcaaacg acattaactc ttactcaga 300
tgtctgattg agtcccgtaa cttatcgaga cgctcgacat tgaacgttga agctccgagc 360
gcattcaaac gaccataact ttatactcgg atgtctgatt gaggctcgtg atatatcgag 420
acgctcgata ttgaatg 437

<210> 10782
<211> 534
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10782

agcaaggact taagcattcg ntggtacang cncaatnnna nctnngnacc cgggggatcc 60
tttnnagnca accggcagcg aggcaggcgg gtttattggt cttgccccca gccaaaaatg 120
tcgagaagag tgttccacag ctttcaactat accaaaaatt gccggcatga cttcggcaac 180
acaagctttt ggttaactct aaatcgcaat caacacagag gccaccata ccagcacga 240
ccagtgttta cttttacaat aaaactgac aattatcata ttagatcaca agtactgaat 300
aacattatct gatgaaatga ctaacgaata tcaaattaca tacataaaca tatttatata 360

atgctcttat acaaaatctt actgtgattt tcatgatata aatatatctt atagcgctta 420
 taattntagt cttacgttga ttgcaacact tgtagcattt atttatagat ctccgcttct 480
 ctcccctgaa aataattaaa tcactatcag tgactttcta agaagagagc tctg 534

<210> 10783
 <211> 173
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10783

gcactcattg canatgcgtc atcctcagct gacatgacga taagccacta tggattgctt 60
 cttagaactc cacgatattg gtgttgacc atacgtgaat atgcaaccta tagtactcgc 120
 tatgtaattt tggactcatt cccaatccgc atcagtatat cccactaatt ctt 173

<210> 10784
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 10784

ccggcgcat gcaggcttat ttttttattg gcctcactct tttataataa actaaaagtt 60
 tggatatttct tacataaaag tggaaacatc acaatcttaa aatgctcaaa ctttgaatta 120
 gtggtaaaca acaattattg atgtggattt atatgtatgt gatttcaggg tcattggagc 180
 tattctcata gtaatgggac ttactcagt tctgtggggc acgcacaagg agaacaaaga 240
 gaaagaggca gagataacta ttgacgtatt gaagtgttgt ttagaacatg ggatgccgtt 300
 ggagactatg gtaaaagatg tcgaaacaaa caatgacatt gacatgcaca aggggtgaagc 360
 ctcaagagag tta 373

<210> 10785
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 10785

tgacataatc ttggctcctg gttgcggggg tggtgacttg gagagttgct aggttcgtga 60
 gttcctgagt tgggtgtgtc tcgagctgga gagtttggtg tttaacactg ttggatgtgc 120

ttactgcaat gattgttatt ggtgcaccat tatcttgttt gctgagtgcc attgctgtgt 180
tctaggggtat aagaaaacaa gacgccgttc gcattggatt tttgctttga acaatggttt 240
tgaaacccta gacactaacc taagactttg tagactcact cctgtgcaca ttatgtgatt 300
gattcaatat aaagacagaa atgttcatct ggaaacctat tccccctcgc aaactctaata 360
cctc 364

<210> 10786
<211> 532
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10786

agagcaatga tctttgtcat gcaccacnga ctcgagacgg gatgcgttag atgaccggag 60
gaaggcagng ctcttattt gtgtaccaag agatcgcggc tccagccaag ctatcttgga 120
aaaagtgcatt tattaagttt tcatccctag aatgcgcccc catcttgtga caatacatct 180
tgagatggtt cttaggacaa gtggtccctt tgtacttgtc aaaatcnagt accttaaatt 240
ttgggggggat gacgacatcc ggtaccaagc aaagatctgc catgtncgcg aacggatagt 300
cgccaaagcc ttcaacagct cttaacctct cctcgatgag atcgagtntn cttctttctt 360
ccgccgtcng ggggtgtccc tctgtggaca aaaaatattg ttgtgctgtg gggttgtgtt 420
gaagcaatac attgtgtgtc gacccctcaa cagggaccgg cgggtagaaa tcgacatccc 480
cttgggcata ctctgatga tctcgtgaa tctcgtcggc ctgtcgaaga ag 532

<210> 10787
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10787

agaggcggct gaaccatgaa gntttaagcc tgnctgaaca ctcgaaaccc acaaccngca 60
acacgagctg ccgccnttag atgagagacg ccagagagtt cgtaaaccac cttccacagg 120
nncnacagag gggacgacta gcgaagatag cgcaccccc acgacgacgca acgacgacca 180
ccagcagaca aaacgggaac gacacaggac ggattctaga gcgagggccc ggacagacgc 240

cgcacgcgcc cgagcgcgag gccaccgagc cggcggaaat caggaactcc gaccagcgag 300
acaagagaca cgacaccaag aggacgccac tgggaggacg aagcgcggac ccagaagcca 360
tgaaccaagc acgggggcagc aaggcagaca aacacccgaa cgcacagacc ggccggagag 420
cgcccaaagc aacagaggca ggacacggac caccctggag aacgccgcca cagaaaggcc 480
ggacagactc ataggacagg acggcaaccg 510

<210> 10788
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10788

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gttaaccatg cattaggtac cacgttcaat tattttgttt ttaagtgaaa cgggtttatg 120
ataccaaca tgggtggctcg tgggtgcctaa cacatgaaac taagaatgta gtgtgaagtt 180
tcacgcttcc cccttttttg ttttgttttg tagaggaaaa cgcaaggatg agcaaacatg 240
aaaacaaatg atatgccaat ttgcagatca aaaagtttgt tgaacgcata tgcattgatga 300
tgccatgact catgcaaaat gtgaggctgg aatatgataa cggacaaatg cangatatgt 360
ccattatgat ngatatgaaga gatgcttatg c 391

<210> 10789
<211> 335
<212> DNA
<213> Glycine max

<400> 10789

taattacatc aactgttcat tataaatccc caactagggt tgtagccag ccatacaaga 60
gaccctaata caagtgcgac agataatata gagcaattgt tgcttacaca ggaaagggga 120
tcccttctcc tcttggtggc acctcacaat cactcagcac tctttaatct ttaagaatga 180
tgaaccttag cctccttgcg tggatgctcc tctatgttgt ctccaaaaga actatactct 240
aattgtgtgc ctacaacctt tgtacatata tactctgggc ctttgcctag gactcactca 300
ttctgacaat tgaagcttaa ataagctctg aatca 335

<210> 10790
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10790

tgaaaacggtt ttgggtgaaa atgggtacca ccatataggg ctatataatt aatatatata 60
 ctatcaatcc acacctagag aagaaatagc tatgcagtag gcatagggaa ccctattttg 120
 agaattgcag atgatcagtg aaaaagaaga ttaatccaac ccacatatat atagaattgc 180
 caccagaatt tagatagtta gtagtaataa ttagtaacta cataatattg ttgatatctt 240
 anatgaatth ggtgttagtg tgtcaacctt ttgttcatag tcatgaactt gtataaatat 300
 tgttcaaata aaattttatt tattagagct gacagactaa gatcttatgg aaagcaaagc 360
 ttaaatcaac aggactataa aacttccatt ta 392

<210> 10791
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10791

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 tgnccgggatn tctgatcaat ggaagcatga tgcagcaaag tacttgaact gcagctgctt 120
 aactcttctt tntgtgtatc ttggcatacc tataggggct attaatgcaa caaaatgggtg 180
 agctatggac cagagttttg aattccaaat atggtggatg gaggaacctt gaagaaacag 240
 gaaattcagc anaacaatgt gtttggtgga gggatgtaaa acaagctttc aatcaatctc 300
 atcagggact ggttattcaa aataacatga agtggaaagg gggggatgga gagaaagtta 360
 gatthttggac agataagtgg attaatacag aggagtcgct agcagaaagg tacctcangc 420
 tgthttattat atcctcacag cagaatcaca cc 452

<210> 10792
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10792

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aattgccatt ccttggatta taggggttgaa ccaagctcac gcttttataa aaaggttcat 120
caagtcaagt tgaaatatgg aagtaaccgt cttgcaaaaat tggggcaaaa gatgaatcga 180
gtcacatcac tgcttcgtct actgccaaac atatttagga ttattgatgt ccttgttact 240
tccagtttca ccttgacaaa gatgtcatgg accatgttga anatctaaat tgattcaacc 300
ccatatcttg cgtaaaaatt cgcaatactt caactgtaca tcattcgcat gcatncatgc 360
ttttcatttg gttgcattgc tcgtgcattc tttccttgaa aat 403
```

<210> 10793
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10793

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ctcagcttgt cgaatgaaga acatcttctg ttctctggtg atccttttct ccatctcatt 60
gaatcgaatg tccactagta actccaaagt atcaaaccct tcaccaacaa aggtttgaag 120
accatcgaac ctgtccaaaa tcttttgaag aagagaggaa tcttctccac catgtaaatg 180
tccttcttca tcaatggggt gagcaccctt tttcacccaa aagccatcat gctctttacg 240
gtaaccaaag gatgcaacac aacagcgctt attagaaagg atctcttgat tggaacataa 300
ggttcaaaaat caagaggaat gttgaagtgt tgaaggaaga gagtgactan gtgtggatat 360
ggcaatggag catttaatca caatgcctta tgcattcgat atcggaactaa gtgtgcccac 420
tcaatttgct ggcctttatg aaaagccac ataacaataa gatc 464
```

<210> 10794
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10794

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agcttgtttc atgtgaaaac tcacaacaaa tttgaaataa gtagcaacta tgtctgttga 60
atgaaatana atgacttaag atattttcct ttatataaaa tatgttggtg ctaaaaaact 120
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atattatttta ggcacaagaa tgagatttag cataaggatt tatttagtta atatttttca 180
atgcatttct cttttttttt taatgtcttt tatttttctt tttctttnta ttgacctttc 240
cttnttatcc ctttagaaaa agattctcca tcttttcatc cttcaattgt ctttttctat 300
tatctttggt accctttcat 320

<210> 10795
<211> 482
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10795

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aactttcatg tacatttgtc cattacacaa aaatgacacc atctaaacaa acttaactga 120
gtagagacta gttctctcct tcttcatac caatatgtcc tctcactca gaatcaaatt 180
aatacttcta aagtcatgac cttttatcta agtaaattat tatatttatt tctcctaatt 240
atatagagat ttctccattt ccactctgac aatcaatttc cctccctcca gtcacctaatt 300
cctgacaccc tggctgttat ggctactaca aggttgata atctactata cttcctacat 360
gtgaaaataa agcacttcca cccacaggtc ttgagaaaat aaaagtatcc gctaaccctc 420
ccaaccccca cccaccttct aactaactca gatgccaaat tctttcttcc ctcatagnta 480
ct 482

<210> 10796
<211> 292
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10796

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tettaattgt ctttgggctt ggcgaccacg atcaacaaag tactttcggc acctactata 120
tggtgacttg accaacgctg ttattggaat gctgcgacaa tctttcaaca cettattgac 180
acattctgat aggttggttg tcatgtgacc atatcgctgt ccagatgtat cgtaagccat 240
gtccattttt tcctttgaaa tgcgatcaat ccactctgct atggctggac tc 292

<210> 10797
 <211> 277
 <212> DNA
 <213> Glycine max

<400> 10797

agtatgtgct agggccaccc tatgccagta tggacttcga gcatacagtg actgtaacat 60
 cccaacaaaa tatctagtaa aaatagttga catttgaaag ggagttaatg ttaaagcatt 120
 ttaagtagtg gaataattat tttgtgcatg tgtgatatac ttcaatggat aagcgctcta 180
 gaattttaat tctaggctta ataagatgtg ttttaggcct aaaaagcctt ggacaaaaat 240
 ttgtcaacca tagtgaacca gtcaaggtaa gagaatc 277

<210> 10798
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10798

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 ccgggttcga agacaacctt ctttctccct ttgttggtt gtttagcata gcttttattt 120
 ttctctctcaa tttgatcttt gactctctta tgaagcttct tcacatagtc cgcctttgct 180
 tgaccttctt tatgcttaaa aacagaaaca ttatgcaaaa gatcaagagg agttagtgga 240
 ttaaaacccat aaacaacttc aaaaggagaa caattagtgg tgccatgaac agctctattg 300
 taagcaaatt caacatgggg gtaaacaagc ttccaagt 338

<210> 10799
 <211> 515
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10799

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 acaccannng aaactcaagc tagagatgag gaagtttaga cnggcgacac tttctgctat 120
 nattgttgac cacagagcgc gaccgcgaga tatgtcgcat gggtcacgac accttggtga 180

cgatcacgtg aggtgctatt gccgcaaacc aagcttgacc aatcccgacc caacaccgcc 240
 atagacgcgc agcgagaacc tgagaattac ctaatccagc gaactcctgt gggggaaccg 300
 ataatatgaa cacattacct cacctcaaag ccgctcgggg aggctggcca actgagattt 360
 nagtgaatat cgtggattgc ggcctatgga aataattact agcgctgcga gatcgataca 420
 acgctcgaaa ataatgacgg acgcctagat ggtctctggg atcattacaa agggggaaaag 480
 gtgccagctg taatccacga gcactatgag cttgg 515

<210> 10800
 <211> 360
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10800

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 agagtcttag aaagggata ttaaataaggagggaattcc aattgaagta gcaaaaagtt 120
 tggccaataa tttttaagtt aaaaagtctt tttcaacaaa tttactctct ggtaatcgat 180
 taccagagga tgtaatcgat taccagtggc caaaactaat ttacaacagc tactaaaatt 240
 tgaattcaaa atttgactg tgtaatcgat tacacatata tggttaattga ttaccagtag 300
 tttccgaacg ttctaattca aaatttaaga ttggtatcga ttacatatat actgtaatcg 360

<210> 10801
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10801

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 gagcccaaca tgataatcct gttgttgggt gtgatgcccg aaacacttga ataccctnta 120
 cgatagctcc aacttgcag tacatgtcaa taattatggt gagaacaacg acattcaact 180
 caaaattccc ctttttacat aatcatgaac ccactcccca tgtagaagtg cacctaagtg 240
 agcataaaca cttaacaaac tcatcactgt aaattcacta ggctgaaccc ttcgtctctg 300
 catcttgccg aaaagctcca atgcctccat aagcctttta ttcctaakat atccactaat 360

catagaatnc taagtaactc taattcttgt aggcattgta tcacacaacc ctctagattt 420
atc 423

<210> 10802
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10802

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tgaagatact gtattgcaat tgaacacgaa cattaaattc gctactacga aatcanaagg 120
gggaggtgca nagttttacc aaaacaaaag caaattcaca aacctaacag aaaaggatca 180
atgattgaaa cgagggggttt gtttctcana acgaaagaaa gaagctatgt ctctgtctgg 240
gagcgaatca natgaaacaa agatgaagtt gaaactacgg tttgggttga tgttgntntg 300
ttttgttga gtccaacacg gaacgtctac ttatactttc tgtatacgcc tcgaatcgtc 360
cctttcacaa gtaagcttcg ttgtgttgca accttctgtc anaaactgac acctaaatgc 420
atantntttt catttt 436

<210> 10803
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10803

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attgggtcca atgagggacg tgtgtgaaat ggnggaagag gggagcatct ttgggatgac 120
tgagcaagtg cgtgtgaacg tgcatacgcc attggaatct tagacttaat tagggataac 180
tggttgtttt ttttttccat ttaattntag catatcacgt gtgggcttgg ttaatttaat 240
cactttccat aaccttttat cctocatgat cgacaaaccc actaacgcgg taaagaatct 300
tgtgctttca aattaaacca attttttttag cggtgctgcg cagtttctct tcttgtaaat 360
taaatttctg gaaactacaa tatcgttgaa taagtaactt attattttat acgataatct 420
agaatcattg atattttgaa tcgaacgtta taattgaatt ggg 463

<210> 10804
 <211> 260
 <212> DNA
 <213> Glycine max

<400> 10804

ttaaggaccg gggaggcagc atttattttt tcaagcttcc cctgcctcgc ttattggatc 60
 ccaaatatca gccttcggcc cttaaaaatt cattttgcgg tgataccatt gtggagggaa 120
 atcccagatg tatgatttat cagttacatg tacttgacgc taattgcttc taagtatgat 180
 ccttttggcc attgttcact ggatgctgat ctcttattaa gtatttgtca gtgctttact 240
 gctaatttgc acttgtaa 260

<210> 10805
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10805

gcgcacccgc tatcatgggg gagttctatc ggaagatttg tcatttcaac taatcttata 60
 tgtgcacata tcattgctca cttaatttat tgcttcattc aatactataa ataaaatccc 120
 tgatttctga tcatgtatc atctgacttt gtgcatcatt acacaccaca tatatataga 180
 tatatatcat ttaataaggc atggagcaaa tggattgtct gacttcccgt tgaaggctct 240
 cgataattag cattataaag ccgcattcat gtattccacg acgatatttg tatctatgaa 300
 tgccctgctc aaattaacgc aagaaaatag atcttaaadc cacctaatac ctanggtaga 360
 tcgaataaac tcatgatttt taatctatc tga 393

<210> 10806
 <211> 113
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10806

aaatttcgag cgtctcgata tattacggga ctcaatcgga cttccgagtg aaatgttatt 60
 gtcgttcgaa tatgctacga gcttntgttt taaatttcga gcgtctcgat ata 113

<210> 10807
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10807

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 ctagtgntaa aaccgaagct cgtagcatat tcgaacgaca ataacatttc actcggaagt 120
 cctattgagt cccgtaatat atcgagacgc tcgaattata gaaccgaagc tcgtagcaaa 180
 ttgcaacgac aataacattt cactcggaag tcctattgag tcccgtata tatcgtgacg 240
 ctgcaatttt ataaccgaag ctgtagcaa attcgacgac aataacattt cactcggaag 300
 tcctattgag tcccgtata tatcgagacg ctgca 335

<210> 10808
 <211> 219
 <212> DNA
 <213> Glycine max

<400> 10808

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 ttgcacctga tggcatataa tatacccatg tatctaata agaagttatt tacctttagt 120
 gtttttcatt gtccactctc attatctgat ttctgtttct cacgtttctg atcttaaact 180
 ctcaaggat cacttggaag aagacagaga cttttactt 219

<210> 10809
 <211> 238
 <212> DNA
 <213> Glycine max

<400> 10809

tacatcttac tgatggctat cgaagcatta tcctggagaa gtgcagaaca atcattagtt 60
 gctacttacc atggaggctg agttcatttc attatctgaa gcgacatcac aaggcatttg 120
 gttaaaaagt ttcatgggag atctacaagt gattgattat gttcctagac cattaaagat 180
 atattgtgat aattcagctg ctgttgctct gactaaaaaa aataaaagtg gaagggtga 238

<210> 10810
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10810

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 anatctacac ctggttgcaag agtctgtggt ctatgttctt ctacagatca ccatacagat 120
 ctctgtcctt ctttgcagca atttgaggtc aatgagcaac ctgaagctta tgctgcaaac 180
 atttataata gacctcctca gcagcaaaac caacaacact agaataacta tgatcttttc 240
 agcaacagat acaatccagg ttggagaaat catccanac tgagatggac aagtcctcga 300
 caacaacaac agtctgtccc ttcttt 326

<210> 10811
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10811

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 agactnttct ttcttaattc cttcgtccta ttgaagttct tgttcatgaa ctttgagagt 120
 accaactggt tcttcaaggg aatagagtca agattcttta gagcccttag cgttgttaca 180
 tgtggtctcc attttctaga caaacttctt aagattttgt caatatgatt atagttatca 240
 taagttcttc ctagagatct taattcattt agaatggttt gaaagtgcct aaacatactt 300
 tgtatgtctt cgccttcttc catagagaag agttcatgct tangagcgat gagactcaat 360
 ttgttctctt atacctgtga tgttccttct 390

<210> 10812
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10812

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agagggtttct ttgagaagct agatccttat ctatccaccc ccctctatta actaaattaa 120
 cttccttaaa aataattacc gatgaaaata acgcaacana tattcaaaca tcaaacataa 180
 ttactaatag tatatagata tatatatatc aggggtgttac aactctccca cccttttaga 240
 aatttcgtcc tcgaaattta ccttactcaa acaaggatgg gtgagcttct cacatctgac 300
 tttctaattc ccatgtggca tcttctcctg atgcacc 337

<210> 10813
 <211> 716
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10813

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 atacnaccga cngacacgac tacgcaataa ctacatagac tntgggtacng gatntactag 120
 tgtagtgacg cncgctnnca cattgttagt gctacntacn ggngcgcang tttcttgncn 180
 ganntggngg cagcgaacac agtntttacc acgatgncaa catanagcag acgcgataga 240
 aacncacacg caattcccca cttgtatgcn cacacnacat cgcaacatcg agcgnntcac 300
 gtgacntcgc tcacagtnat cnccagtaga cacttcgggtt atcatcttca aacatacgcg 360
 ggtcncncg atcatatgag cttcctcaat gcgctctcct caaaccatca gaaggtataa 420
 tcgaagcatt gcactacgag caacaatatt tactcacatg cccaatgaaa ctacaggggc 480
 aagagcgcag gaaagaagct ctgccctaata aacaccgaac gcaagagtca cgagcgtggt 540
 tctcacttta aacgaacccc agtaacaaat ggctggttga tccgaattct gttaatccgt 600
 tgggatgcga ctcccagaaa ttctaccgga acgtctataa gtacataagc actacatttt 660
 tgagcagtgt ggatctacta gtaaacaatcc agaactcatt ctgcactaat gtttcn 716

<210> 10814
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 10814

agcttggttg tcagtgaatt gattgaacat tgtatgcagt ggctgggttg gtataaaatg 60

agtgtttgaa agtgattgat tgagcaaagtg tatgaattta atggattggg atgattggat 120
 gattgttttg atcaagtttg ctgtcattag aagagaatga gcatatgatt ggaattatgt 180
 atgaaaatgt tagtcggttg tcagattgat tgtgaaggaa tacattaacc gtatcccggt 240
 gagagtgtga tcttaaaatt ttgagagaaa cgactatcat ttagtgctga tttttgcgtg 300
 aatctctgaa gtatggattg gatgcattaa cttgacgatg at 342

<210> 10815
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10815

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 tcccaaaact ctctagaatt tgannaattg gaattgggct tagcgcgagg tcgggctaag 120
 cgcaaggctt tgttaaaacc aaacgtcata ttgactcgct aagcgcgact gtgcgctaag 180
 aaagcaatac attnnttgct tanaaggaaa ttacttaggc agtttcattc acccagaagc 240
 tnttatctct tgtgcttgct cctacattcg ttcttttgct catttttctg cctgtgcttc 300
 aagttatctt ctgcatectt tntgctctca tcttgcatth caatcacaat ctaagtaagc 360
 ttcttgtttt attttcattt tcttttcaaa gcttanacct tagggtagat gatttattgc 420
 tttntagttt gcattttctat ttagcttttag tgttttcagt t 461

<210> 10816
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10816

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 aagatgaacg aaagctcaac ataatacacc catgggtgact tagctctata aggggctcaa 120
 caaaagaaga gagctaaaga tgttggttgg gatgctactg ttgtaattga tgagcaagaa 180
 gctgctacta ctgctgagaa agttcaagct ggagcatcta ctanagctgc ggacaacacc 240
 aatgtgtgtg ggggtcatcat tgaccttaca aacactagtg tcatggatga gactgggtgaa 300

gcgtccaatg tagatgaagt tgaaccactc attccagatc ttgcatccaa gctgttagag 360
 ataaggggag aaacatgaag agttagcatt gaagcttgaa gaaagttttc ttttacatgc 420
 caactctctt agtgactttg catgatagtc gatttatggt catctagtct c 471

<210> 10817
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10817

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 agagaacatt ggagaccagc taaatcagac agtcaaagta tgatttattt ctacttcaat 120
 aaacaggaaa tttcataaga atgaaaataa aattacaaca aagtaccttt tccagaccaa 180
 ataattgttt cggaatgctc ctctggagag gtctaactct ggggacacaa ttccacaaaa 240
 ccacaagtta ctacttcagc ctacatgtgt ctgacgtggt gactgatgga catcatcaaa 300
 atgcagttag ctaggtggta tagttatagg acgtcaagggt ttagttgggtc ttgggaggggt 360
 gtccttaaac atatagctac atcaaagat ccctgaaata cgcattgggtg agagcaccta 420
 atantagtat atttcattca tg 442

<210> 10818
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 10818

agctttctct ctgcaaaatt catttcttgg ttggtgctct tggtttgtgc taaaggtggt 60
 gttcgtcatt ggaagtgcgg tagacagact ttgtggctga tttagggatt gcctttgtgg 120
 ataactgggc ggtgggtaag gagaagggtt gttattggct gagtaatgac attgttgggt 180
 tgggtgggaaa cttggctgta taggaatggc agtcacagca tgggcttctc cttcatcctc 240
 accctcttca tttgccccag ttttctcatt cgtccaagca ggatgactaa atttgctctc 300
 ttttaagacc acatcgatcc tttcactggc aaagacaaa tccgaaaag ctttgaaagt 360
 gcgtagccca ccattttcca tagtagaata ctggtaatgt gtctactatc attgtcatcg 420
 ttttttcgtc a 431

<210> 10819
 <211> 283
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10819

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 ggcaatatga gcgctaagag agtacctctc agctaagcgc atgctcctct gtacttaaga 120
 tgcatacatta tagctaagct ggccagagcc atgcttatcg agagttgcag cntttctaatt 180
 ctgcagacct cgctaagcgg acttactctc tcgctacgct gagtntcagt taagaaaaaa 240
 tattctcgaa tttgaaacgt ccgctaagcg cactgtgttcg cta 283

<210> 10820
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10820

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 agaacgggag caccaaattg aaggaggaaa acggggaaag acgttgaact ttgagttgtg 120
 tctcacatga ctctcattca tcaataacac aacaagtgtt acacatgtta ttatttatag 180
 cctatgtagc atacttgaga aacttccttg agtaagttct tcgatcagct agagtataga 240
 tataaacacc cttctaataa ctaagcttac ctcttgaga agcttccttg acataattct 300
 ttgagacctt tcatgagaaa attcctagag aagttatagc tntgtcacac aca 353

<210> 10821
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 10821

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 ctctaccta taaataacac tgtgtacact tgagtacttg ataatagaact cttggagaca 120
 cactcagagg aaacttctct cccttggtct ggcttcaata tagtgctcca ccctcgatct 180

ttctctccct ctgtatcttg caccatcgaa gctcctctc caatcttggt atccgatgct 240
catctaggtg gagaaacttt aacttgcatt gctgattcct taatgga 287

<210> 10822
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10822

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caaatttggt tagaaatcaa tttaaccact ggtaatcgat taccagagac gaaatatcat 180
atctttgaaa atatgattgt tcttaaaaaa cttttgtaaa atatttcctt tagtcctgtg 240
cagcatcaat taagggaatt tttctaagat cctaactaag tacatcattc ttcttgcat 300
tctaaattct tgacttgaat cgtgtcatc tttggcatca tcacaacttc atatcatata 360
tatttctaca cataatttca ttaaaaaaat aagtgtatat ttttaaaata aataacataa 420
actga 425

<210> 10823
<211> 151
<212> DNA
<213> Glycine max

<400> 10823

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caccaaaca tacatatatt taaactcctc g 151

<210> 10824
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10824

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 gtatatcaa tgctgcacgt attcttgaaa gtgcgatctt tgaaagaaaa actggcacia 240
 cctgttgtca taaaaaaaaa ttaaaccaac aaagataagt gagttcgaag aagcacttgc 300
 tattacacia cattgaacac tggtttcata aataaaataa acacacacat gcatatggca 360
 gaatgtctat ataacgaaaa tagaatgaca naccctcatt acaataaatt aatatcttca 420
 attgaacaac attttgacct atttattt 448

<210> 10825
 <211> 540
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10825

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 attttaggnn gcacttatat atctnctgc tactctaana tgtcgaaact gataatacac 180
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 cgctatcaca aaaattagtt taggtaatca tattaaattt atcaattatc tatactatga 420
 ttttgacaaa gttcttttat gtttctatgc ggagaatact ttttatacat gtctggacat 480
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<210> 10826
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10826

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 acatttcttt tgttacaatc tgaagtgcgt tgaacatctg atatttctca agtgggatga 360
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<210> 10827
 <211> 225
 <212> DNA
 <213> Glycine max

<400> 10827
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 tatacattta tgtgaaatat taaaaagaga gttctaatat atatctaaca aaaaaatta 120
 gtcaataatc actgtattga ctctaaaaaa acagcataac tttaagatgt agggtaagtc 180
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<210> 10828
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10828

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 ataataaaag tcatttggtc aattgctgat gcattactca aactcacta ggcactgaac 180
 ttaaaaagta ttaatttatt ttacagggcat gggaactaaa attgaatatt ccataaatct 240
 tctagcatcc tcagtagaca gcaacaacat tgtgggtggt gtggatgtct gggagcatta 300
 tcagaacaaa gtagagacta acaaacattg tagtattgga gt 342

<210> 10829
 <211> 329
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10829

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aatttcactt ctcanaccta ganaacccat tgaatggagg ggtgttggac acctagatta 180
tgtgttgctg tgttttgaag cttggttntg ggtagacat gattgatgca tgatttggga 240
cttgtangaa gtgatttggg caagattgga tgagaggaag tgtgattttc gaaatctgca 300
ctttgtgcag aattttgctg tgaaattgt 329

<210> 10830

<211> 511

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10830

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ggtggtggaa ggaaatggta cgggtgggaat tcaaaaaatc cttccactca agcttaaaga 180
tcctatgagt gtaaccattc gttgttcaat tggagaagtc actgtgagac acgctcttat 240
tgacctgtga gccagtatta acttaatgac actctacatg tgcagaacgt tgggagagtt 300
ggagatatgc gcactatgat gacatctaca ctggetgacc gctccattac caaaccatat 360
ggagtaattg aagatgtgct cgtcaaaata anacatttta tcttcccgac agactntgtg 420
ggtatggata tctgaagata attgatatct tggagatttg gggagggcat tcatgttaac 480
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<210> 10831

<211> 450

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10831

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cttccttaaa aataattacg gatgaaaata acgcaacaaa tattcaaaca tcaaacataa 180
ttactaatag tatatagata tatatatatc aggggtgttac aactctccca ccctttttaga 240
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tttctaattc ccatgtggca tcttctcctg atgcacctcc ccagatcacc ttgaccaaca 360
gaatctctnt ccctcttaag tgtgttgtgt gcctatcctc gatcctcaaa tgcaactgtt 420
catatgtcac aatctccttc acttgtagat 450

<210> 10832
<211> 233
<212> DNA
<213> Glycine max

<400> 10832
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tgggtcacta gaaatttgct tggttgtgaa gcacatgaag gaggtttaat ggggccattt 180
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<210> 10833
<211> 328
<212> DNA
<213> Glycine max

<400> 10833
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ccgaatacta aaaagagggc aatctcaa atggataaaaa gatatatcaa atgttgtgat 180
ttcacaattt tgaatatgat tatatgaatg aaccgctact gtacttgctg caatgatgaa 240
tgatgactaa actgagatac gtgatcccaa aatatgtgcc tcttataatc taaaaacccc 300
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<210> 10834
<211> 281

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10834

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tgacattggt ggggttggtgg gaaacttggc tgtatatgaa tggcagtcac agcatgggct 180
tctccttcat cctcacctc ttcatttgcc ccagttttct cattcgtcca agcaggatga 240
ctaaatttgc ctcttttaag acccacaatcg atcctttcac t 281

<210> 10835
<211> 455
<212> DNA
<213> Glycine max

<400> 10835
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acaattatgg cttttctcta atgaaacact ctgacctttt accactctaa ttccccctga 180
gttcttacgc aattcaagag attatggcca caacaaagaa caattcacca atatgtgtaa 240
gggaaggcta gacaaggaaa aggttaacca agaaaaaggc taacaatgtt tttaggcaca 300
aatgaaggaa acaaaattca gaatttacga attcaagtaa caatccttca tgccaccaat 360
atattacctt aaagagtttt ttttttagtt cttcagcatg aaccatcagc ccattttttt 420
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<210> 10836
<211> 542
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10836

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tgcagcatat ctatataata gactaactca cctccttgag aagagattct tgagctcagc 180

tacgctcatc ctataattgc taaactgacc cccatagcca atcacgtgca ctttcaggtt 240
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 ctacatcaat agccaagact caaggctctg acaaaggaga acactctctc atatatatat 360
 tataagcggg ctcatactca tgccatggga tcaatatcta ctctaaagct catgacaaac 420
 acttggtctt ctctgggaac tctacaccat catcgtggag tctattacc attgcctat 480
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<210> 10837
 <211> 227
 <212> DNA
 <213> Glycine max

<400> 10837
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 ttaccaccca ccagtgatg caccaaggcc atcccttaat caaccactga gcctgtctac 180
 cgcactttca atgacgaaga ccacctttat cacataccat ataacac 227

<210> 10838
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10838

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 ggcttcaa at tgcaattaat accgaatcga ttgaactctt ctgtaagcat cttaatgatt 180
 cgatctacaa gaatatctac agcaattgtt aaatttcctc gaagacaatg cgaaataaga 240
 agaatgaagg atatgaagga aagagcgagt accgtccttg acaacgtaga atctgaagaa 300
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<210> 10839

<211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10839

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 ctatcagggt gatgtccggc tctagtcac cttaccctgc tagctcctaa ggtccacctt 180
 tatccnccct tgatgctcaa gatgttggtg cttacacgaa tgtttctaata tcttctttgc 240
 ctcttctctc atatattgag gaaaatccta ccccttc 277

<210> 10840
 <211> 101
 <212> DNA
 <213> Glycine max

<400> 10840
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 taactgttaa accactattc aattattaat tcacatatca a 101

<210> 10841
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10841

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 actcagcccc tgacacactg acttacaggt aaaaggctta ctacatagac tactcagaat 180
 gccccgaaat acatggctgt taccctattc tacatcaata ggcaagatac acggtccaga 240
 ctatagatat acctgttctt atatataata tgaaaagcgg gtcatactt aacccatggg 300
 atcaaaatct accctaaagc tcatacaaga ccacggcctt ccctgtgact ctatccaaga 360
 tacgtggaat cttctacca atgcactagc ggtgtaagat agtccaaac gtgtggaact 420
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<210> 10842
 <211> 513
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10842

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 acaagagagt atcagaagct tcagccattt ggttttcctt tctaagagtg tgatgaaatg 180
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 ggtcatttgg ctcgcatcac ctttgaacag atgaattacg cacacttaat ctccatacac 300
 tatgagcgac tgaccctaca gtcgatggta gctcagatat ctanggcaca tgctgcgtat 360
 tctgacatat tatttgtaca attgaaaaac aatcacgccg cgaaatgaaa catcatttgt 420
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 tccattcttt tgtctcatct accatttctt aag 513

<210> 10843
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 10843

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 ttataattgt taatttgaat aattataatt aatgatttta tctaatttac taaatcattg 180
 ctccattttt aaattctaca ttattttatt tatatattta tcttagttta gattaatctt 240
 acgttccatt atacaaatat atatacaatt cttttttgac caaattccag agttaagtct 300
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<210> 10844
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10844

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ttcaacttct ctcccttntc ttccctcaat ttctgtctcc cctctctctc tgtctctccc 180
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cattgaagct canagatcca gcctccatag aagccccaca agcaagcctc catcaacttg 300
tgaccgcaat gcganattcg acatcgagat agtcatggaa ttctatgccg atgccttgcc 360
taccgaggan ggagctcggg atatgcgctc atgggt 396

<210> 10845
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10845

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gttcccttcg ccgaagataa cggaaagatc gacgcgcttg aataaagggt aagagcaggc 300
gagggccttg gcaattacc attctcgat ttaacagatt tatgtctcgt gccaatata 360
gtcattccta ccaagttcaa agtatcggac ttgataagt a 401

<210> 10846
<211> 322
<212> DNA
<213> Glycine max

<400> 10846

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ataaagtgat ttttacaaaa aagaatttga atgagtgcct tagttgggtc ttcattgtct 180

caacaagtgt tcaatgtctc taaatggata gatttctcct cttagctcg tgtttgaaaa 240
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<210> 10847
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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<210> 10848
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 cccacaaaac tgtagaaaa tctgactca cagttaaaag ccgctcccaa actttaaac 240
 tcagttgcta ttcagtaaag cgagaacccg tataaaaggc atttaacca cttataacag 300
 cgaggtctga gcccctgac ataaccgcaa atgaaataac tccgacagge cggcgaccn 359

<210> 10849
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 <212> DNA
 <213> Glycine max

<400> 10849

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 caactactct ttgcttgaaa ggacatgttg tgccttggtg tgggcaacct atcgtctaag 180
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<210> 10850
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 10850

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 gtataagtgt aaaaccaaga accggatcag aaatgtagaa tgtctccctg tgatacttgt 240
 tgagaggagc attgagagca aatctctttg gcaaactctg attagccaag aacaaacgac 300
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<210> 10851
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10851

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 ttcacattgt ctgtccacc atgaaacccc cagatgtcca agaggatcac atatttctga 180
 aggetnttcc tcactcatta cagggagtgg caaaggactg gctgtattac cttgctccaa 240

1. *Chlorophyll a* (Chl a) is the primary photosynthetic pigment in most plants and algae. It is a green pigment that absorbs light energy in the blue and red regions of the visible spectrum. Chl a is essential for the light-dependent reactions of photosynthesis, where it converts light energy into chemical energy.

2. *Chlorophyll b* (Chl b) is an accessory pigment found in higher plants and green algae. It is a yellow-green pigment that absorbs light energy in the blue and red regions of the visible spectrum. Chl b transfers the absorbed energy to Chl a for use in photosynthesis.

3. *Carotenoids* are a group of pigments that include carotenes and xanthophylls. They are responsible for the yellow, orange, and red colors seen in autumn foliage. Carotenoids absorb light energy in the blue and green regions of the visible spectrum and transfer the energy to Chl a. They also play a role in protecting the photosynthetic apparatus from damage by reactive oxygen species.

4. *Xanthophylls* are a subclass of carotenoids that are involved in the xanthophyll cycle. This cycle is a protective mechanism that allows plants to dissipate excess light energy as heat, preventing damage to the photosynthetic apparatus. Xanthophylls are responsible for the yellow color seen in autumn foliage.

5. *Anthocyanins* are water-soluble pigments that are responsible for the red, purple, and blue colors seen in many plants. They are not directly involved in photosynthesis but can play a role in protecting the plant from damage by UV light and other environmental stressors.

<400> 10854

<400> 10855

<210>	10856
<211>	403
<212>	DNA
<213>	Glycine max

4599

<210> 10857
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10857

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<210> 10858
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10858

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 cccagttgtt gcacacttta taccatggca tgcagcatta catttgatgt tctgctagac 180
 agtgccatta gaattttggg tatcttccat ccatatattg aagttttaga cttagctagt 240
 acttttacca gaggaaatta tgtcagtгаа tgctatgcta tgattctgtc ctctttcata 300
 tataatatgc tngcatgctc aaccatntat tgccgatcaa tttggttaag gatctngaca 360
 atattcttag ttgtatcttg gagtaagcta cgaagaaaaa taagatgaga agttagatgt 420
 attttagttt aatgtctaata tatttta 446

<210> 10859
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10859

agcnttgnct ttttggctct cgctggcgaa atgagcgaag tgggtctaac aagaggacaa 60
tatgatcatc atgctttgat caatgcaaaa aanaatttgg gcaaataag aggggtgagaa 120
tgatggagaa acccatgttg tgactgccat tcctatacag ccaagttttc caccaaccca 180
gcaatgtcat tactcatcca ataacaaacc ttgtccttac ccatcaccta tttatccaca 240
aagggtcatcc ctaaatacaac cacaagaacct gtctaccgca cttncaatga cgaacaccac 300
ctttagcaca naccaaaaaca ccaaccaaga aatgaatt 338

<210> 10860
<211> 496
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10860

nnnaaagaaa ggtcaatcca tgngacnctc gcannaccng aancatgant actcaagctc 60
aatgtgacat tgactgtcta tgacaggaca atctcattga atgtctatct tgaacatgga 120
caagagagta tcataagcat cagccatttg gttctctttc taggaatgtg atgatatgat 180
atatcttcaa tgagttccat tcataccttg atgtaagctt ggtaggcac caactatggt 240
ctctgggtctc ccattcacct ttgaacagat gaattaccac actaaatctt ctacactatg 300
acaacttaac cctaaagtca ttgttgcttg gatcctaagg acatgctccg attctggcta 360
ttatttggca attgaaaaca atcaaccgga atagaacat tattgtcttg cgaaccacac 420
tgccccattc gtgtccaatg cttagagcac cataaacata caatcacttt atttggttca 480
tctcacgtct tctaan 496

<210> 10861
<211> 386
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10861

agctagntta nnnttcgtta aggatgagat gggaagtga aggaagacgc atagcanaca 60
aacaacaaaa tctttaatta tataagagta aaaaatcaag aatattttnt agttgcttaa 120
gagggacaaa tacagcaaac tagaagcaac aagtaacaca tcacatacct ttttctgact 180

tgatcccgga ggagtgcaaa gcaatgtcgg tgatgccagt gtcggaagag tggaggtggc 240
atccatagtt gatggttgga gttagaatgt tggaaataaa actggaaaga acccaagtgc 300
aagtagaaga agagtctcaa aagtcaaaac tcattaataa ataaagcatc atcatttgat 360
gatcattgca tttgatggcc tatata 386

<210> 10862
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10862

catganagnc tttctgaaat tatgagaaat actgatacat ttcattagaa atctacaacg 60
tatgacttga tgttgtgttg aacaggaggt tgggtggagtg gcatgcctac actgtcttat 120
gacaggtatc acanactatc atttgctctt ttgaatttgt ctctgtgtgc atgaattata 180
ttattccttt ctttcctttc ttcaacagtc agttcttagc caaagttgag gagatgttcc 240
ccaaagatgc tgaattaatt gttgtatgcc agaacggact gaggtgagat tatgcattca 300
gttgggtgatt gacactcatg gagttgttct gatctaattt tctgtactta aaat 354

<210> 10863
<211> 323
<212> DNA
<213> Glycine max

<400> 10863

tcataactaa gctcacctac tagagaaact tgggtaagag gattcctaag gaagctagag 60
cttgagtaca cgtacctctc taatagcgaa gctcacctcc ttgagatgag aagctatagc 120
ttagctatac acgcgctata atagctaagc tcacccccat gacgaaaaac atgaaaatgc 180
aaaaaaagtc cttactacaa ggagtacgtg gagggccccc aaatgcaagg ctagagccct 240
atgctgctag aatggccagg atacaaggcc cagacgaagg ataaacctat tctaagattt 300
acaaagatga gcgggcat act 323

<210> 10864
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10864

actaagccac tccgcacaat ggtgacctct tggaaatgaa gaggaaatnt ttctcttttg 60
aagactcatg gacacttatt cctgatccaa ctacaattcg tgtgtaaggt cagccaaaat 120
gaactatgat aaggaatgtg atggattggc tcgaaccatc tgagcactga caacaatgta 180
gtagatgtgg aacagaagga cacaatagac gtcaatgtcc aatgcaatat gaacgaggaa 240
gttgctaaat taattgatnt atgtatttag tttgtgttct tcaatgaaat cgtagctatc 300
catgattagt ttgttttgaa gttatttatt atgttatttc tgtgcacgac ataaactgca 360
tccattagta aatcttcata aaataaacia tcatacaagt ctcanattga tatgacaaac 420
atacaacaac atatttaaata agagacatna aaatcattca ttatgatgcc cgtg 474

<210> 10865
<211> 269
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10865

ttttggtaga actgggggtgg aaactgaaac tgggtgctttc ttacagtgtt aggatgtgtc 60
atatatgtag atgactctta atatcagtgt tgtatttttt aaagattacn aatacgcacg 120
cacatgcttt ctgtatgtgt tgtcaactac accaatgacg tgacatgctt tagctngcat 180
cagatctgca tgtgtagtca tgctgtgcan ggtcctttca cgcgctntat gttaatgcag 240
accacaatnt atcatacacg gggttttcac 269

<210> 10866
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10866

atacttctct aatagctaag ctcacctcct tgagatgaga agctagaact tagctacaca 60
ccccctataa tagctaagct cccccccatg acaanaata tgaaaataca aaaaaaagtc 120
cttactacaa agactactca aaatgccccg aaatacaagg ctaaaaccct atactactag 180

aatgaccaaa atacaaggcc cagacgaagg anaaacctat tctaatatnt acaaagataa 240
gcgggctcat acttagccca tgggctcgaa atctacccta aagctcatg 289

<210> 10867
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10867

aaggccnngg gnatgctacc gtgcatngca aactnatag anaagcnncc cgagcagctt 60
gagcttagct acacgagggg atggaaaatc ttgctcactt tcttgagaag cctccttgag 120
aaggtagagc ttagctacac acacccatct aaaaactaag ctcacccttc ttggacaaat 180
acatgaagat acaaaaaaac gtccatactt acaagactac ttcaaagcc ctgaaatacc 240
agggctaaac tctatactac tagaatgggc aaaaacaagg ctcaaaagaa ggagaaacct 300
atctaattatt tacaataaag agtggatcca acacttgacc attggctcaa gaatctaccc 360
taatgttcat gagaacactt agggccttct tagtagctct agcccaacca cttggagtct 420
tatttccatg taaatgcaaa gattatgggg aatcaaagtg gatcaagggtg ttngatgaaa 480
caatgatata acaacataga tgacaacgcg 510

<210> 10868
<211> 207
<212> DNA
<213> Glycine max

<400> 10868

acctgagggg taggaatggt gaggtgaaca acaattgtga cctggactag gcctgcataa 60
ctcttcatgc tgataaagat cacatggagg caactctgtg gagcattggc attgttgggg 120
acaggagcga taaaaggaat gatccacatg gtgtatgctg ctcggaggct caggtaaaca 180
acgcacatgt ggaaaattat gcttttg 207

<210> 10869
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 10869

ttctgccttc ttctatcctc agattgggaa tgctctaac agcacctttg tcaatgattt 60
tcttcatgcc tcttaagtgc agatgtccaa atctntgatg ccatattctg acttcatctt 120
ctctggagaa tagacatgtg gaggagtaac tggtttcttg atgtgtccat aggtaacagt 180
tgtcctttga tctactgcc ttcacagaa cttcactctt ctcatttgct accaagcatt 240
ctgactttgt gaagtttaca ttgaatcctt catcacacag ctgactgatg ctgatcaagt 300
gtgcagtcag tcccttcacc agcagtactt tgtccagact aagaagtcca tcatggacta 360
actctcccat tcagagatct 380

<210> 10870

<211> 316

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10870

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acacagaggt acctgcagat atgtcgatgt gtcaagagac cttgaggacg ttaggtgggg 120
tgctattgcc cataaccaat cttgaccaat acctacccaa cacgggcata ctcggtcaat 180
gagaacctgc gatgtacctt atcaggcgag ctctgggccc tcaacagata aaatgaaaac 240
aagaccacta ctccaggaag ctctgtgtgg gtggccagct gcgaagtctt tgtaatatgc 300
tgattgaggg ctctgg 316

<210> 10871

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10871

agccttcaca tttcaatttg agcgtctcgt aatattacgg gactcaatca gacatccgag 60
taaaaattta ttgtcgtttg gattggctca gagattcaac attcaatttc gagcgtctca 120
atatattacg ggactcattc agacatccga gtaaaaagtt attgtcgttt gaattagctt 180
agagcttcaa caatcaattt cgagcgtctc gttatatcac gggactcaat cagacatccg 240

agtaaaaagt tattgtcggt tgaattggct cagagcttca acattcaatt tcgagcgtct 300
 cgatatatga caggactcaa tcanacatcc gagaaaaaag ttaatgtcgt ttgaatttgc 360
 tcaaagggtc aacattcaat ttcgagcgtc tcgttatatt 400

<210> 10872
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10872

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 gatcacccta ctaggacgac tgagataact ggggcaaata aagaggggtga ggatgagggga 120
 gaaacccatg ctgtgactgc cattcctgta cggccaagtt tcccaccaa cccaacaatg 180
 tcattactca gtcaataaca aacctcctcc ttaccaccca cccagttatc cacaaaggcc 240
 atccctaaat caaccacaaa gcctatctat cgcacttcca atgacgaaca ccacctttgg 300
 cacaacccan aaaaacacca acaaatagga attntgcagc aaaaagcctg tanggttcac 360
 cccaaattcc gttgtcatat gctaaacttg atcccatatn cactcaataa ttcaatg 417

<210> 10873
 <211> 390
 <212> DNA
 <213> Glycine max
 <400> 10873

catggaagga cttggcaact gccttcattc ggcagtagca gtacaataca gacatggctc 60
 ccgatcgga ccagcttcag ggtatgacta aacgagagca tgagtccatt aaggaatatg 120
 cccagagatg gagagtgaat ttctgatacc aggggacaga tgtcgtacag gatgtcacga 180
 catcacgctt cagaacatgc agattgtatg tgtccgtatg aacagattaa acaagtaaat 240
 aacacaagag aattgtaacc cagttcgggtg cacctcacct acatctgggg gctaccaagc 300
 caggaggagaa atccactctc aatagtgtta gttcaaggct taacaacccc tgttttacaac 360
 cttctcacct aaccactacc cgtgcgatct 390

<210> 10874
 <211> 391

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10874

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 cgttgtaatt tgctcagaac ttctgtttta naatacgagc gtttcgatat attacgggac 120
 tcaatcggac atctgagtta aaagttattg tcgttggact tttcttagag cttccgttnt 180
 caacttcgag cgtctcgata tcctacggga ctcaatcgga catccgagta aaaagttatt 240
 gtcgtttgaa tntgctcaga gcttctgtnt tcaattacga gcgttttgat atcctacggg 300
 acacaatcgg acattcgagt caaaagttat tgcgtttga cttttcttag agcttncgtt 360
 tacaatttcg agcttctcga tatattacag g 391

<210> 10875
 <211> 360
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10875

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 ccaatctaaa ggcaccctat cctctcctct tttgcctgaa atttgcagaa agcagaatgg 120
 cttttacacg caaggacagt gtataaatgt agtcgtgtaa tgtactaaaa tagcattttc 180
 aagacaaatt atntatttac atagtttgaa tcttgacttc ttttgcaaaa cagaatatat 240
 tgtgtgtaag gtacactaag agtgagaaat tgcaagatgt ttctaactat ggnnggcatta 300
 aagttataca agcactcaaa tattgaaaat gcacagaaat atcaacatat ttactttcct 360

<210> 10876
 <211> 209
 <212> DNA
 <213> Glycine max

 <400> 10876

 cctcagaagg gatagtgggt gaagataatg acaaaatgga atacgataat tctaaagaat 60
 cccacgaaga attatctaac ttgaaaatt aggaagagga agaagggttat gcctcaactc 120
 agaagatgga ctagaaaaaa gaaccaatca tgttagggtt gaagaggatt acagtgcttt 180

acttcgtgtt tgaatcgact tttatcact

209

<210> 10877
<211> 519
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10877

ggccagggaa cttatccatg atgattctng aactttgagt cagncttcag acgcatgtga 60
acctggggca tcagtgggtga caagnagcnn ngtnctttg tctacaacac caccataacc 120
gtgggggtggt gtttctttga ttttggcctt gaaaaccctt catttagaat atatatatat 180
atacgtgggt gcgccggtag ggagcgcaga agcaacaaat cacgtgccac tacccttac 240
atacccactc atacttatcc aagcctccca ccgcgtggga gtaccttcgc gcgtcgtcaa 300
atatggatct tccggcttgg ggaaactcac cgagtcgtgg atgatcaacc ccaactcggaa 360
tataccgatc gttagagacc ttctctcgat gggagcgcgt atcacatctt gccataccac 420
tccggcctgt ctgagtcgcg ggaaaagaac ttcatagata cctttggggg gaggaatcaa 480
gtcgccatga caatctacat gtaattccct ccgttgccc 519

<210> 10878
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10878

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caggcaggca gcnttgtagt ntaggcgcta cagaaaacgg gcgaggtcca agagctatga 120
cacacccgcg gcgcgaggat cggcacagac catagcctgc agtggaagtc ggtctgagag 180
cttgcgagga ctctgtgaga cggcgcgaga acctagaggt gacggagaca tcctcaccac 240
gcgtatcttg caatatcgca cctagcgctt ctctacgggg cacaggaggc ctcccaggta 300
tggaagcta gaatcctcta ttggatcttc cctgcacgta ccatatgtga acgtctctct 360
atccatctag agatgttcag cgtgccactg agccatcacg cgtcatgact accgccgatg 420
cccagacacg ttatgccggc tcgggagggc atgcacactc caactgcccg cacagggacg 480

ccccggacgg gcaacgtgca cc

502

<210> 10879
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10879

agagagtggg gancctgagc nctccananc ncacachata gaagacacaa gctcganctg 60
nctatnaatt atgatctaga aggtgtatct ttactgttc aatcggagga ctctcatag 120
agacctggat ctatctttca actgtttttc acgaaaactt tccaattcca ttaaccatta 180
gaaggctctt aactatctgg atnttcattc agctgaactt aaaagaccta ttgctttgtg 240
tttatcttat ctacttggg cctttgttgg aacaatntcn gccgtgagat tccatcatca 300
ctttcaaata ctcaacatct tgcatacatt gtttattctc ataatagctt cacctggagc 360
cattgctaaa tgtcttggaa catcgacaaa gttaaactgtt aggggctcgg ttcaataact 420
tacgtgatga gatccatcat tactttttcac cctcagcatc ttacttaatac tttatataat 480
atttgggtgg aaatcaccga ttgttgacct 510

<210> 10880
<211> 284
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10880

agcttgtaat tttgaaccat antcatgact gcaaaggaca ggagctaccc ttctctgcca 60
agagttcata tcatctgatt catctccta cataacaaaa attggagtga gtaaggagag 120
atatcaatta tcaactaaac ccagacatta atcaaaatgc cacatagccc cacaccattg 180
tttccattga atcattgtca tactgccccca actgctccga ctttaattaaa gcatctgaag 240
gttgctcaaa tcctgcaatc ttgagcaacc aagcttcagt atat 284

<210> 10881
<211> 164
<212> DNA
<213> Glycine max

<400> 10881

tgggcacaca gtttcccgat ccaaattgcgc aaaacccacc atccctgatg ccacctccac 60
tgagctacgt actccacgta ccatatcctc gttctctaac atcaggtcca tcaatctcca 120
agctccccac atcatgtaat aacattcaac agcacaacta tcac 164

<210> 10882

<211> 279

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10882

cctttttttt gggattcttt ttctgtaaag taccggcact tacgaatttc gtaacgatac 60
ttgttttctt tccgtaattg tgcggaacct tgtggattac ataatacatcc cctttttgac 120
ttacggaatg ttacgaaacc tcaactaattg tgcaacgatg cttccatttg aattctgggtg 180
tgtcacggaa ccttacggat tgtgcatcaa tattttcttt tgtttccagc acgtncggga 240
aatttcacaa ttgcctaattg atgggtgaca agcacctta 279

<210> 10883

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10883

ctaagctcga ccgattccca tgggtgggctc gcaatcgatc aacatgtggt ctttactggt 60
ctccctatga ttttacctag tgagagtgac ctaacttacc agtgtgtggt ttgttttgtc 120
atatactcgt aggtgtttga tgaggatttt cactgacatg atatcacatt atatatagga 180
ttgagtctta gtgtatctgc tgtataacac atgtgtaatg aatcttgtga tgatttcgaa 240
ccttatgttc gtgggagcac atgggttaggt ggatgattat aaagaacctt gtgctagagg 300
atgctgaaac acaacgctat gatangatgt gacattgaaa catgagtntc tgtattatatt 360
gcataaatatg tcgaacatgt tactttatgt tatttcgcta attaacttgt tccttttgta 420
aaaaa 425

<210> 10884
 <211> 545
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10884

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nnnnntttccc ttagcatgat tncctggcaat ttagctacga ccccgggatc ctctgagtcg 60
acctgaggca tgcaaccttg acgtgttatt attccagtga ccggnaccaa gaaggatgag 120
anagaccaga aagtcttggt atggtgtggt gcttatgggc catggggagt ggccatttgg 180
ggaaagtgtg gccgacagag atcttacgtg gacttttttg gaccctaga tgtaagaata 240
gagaataacc atttaacaaa aaagaatgta cagcgccaga gaatataaag tgggagctac 300
atattgaaga aagagaaaaa cattctaaga cggtnnttac aaaaccgtct tggaatgaca 360
gtcttctaaa acgatgttca caaaactgtc tttgttgaan aatccatatt tacaaaattg 420
tcactgtctt atatactaag acgattcttg ctgaacgttg tcgtttcgct gtcgtanaac 480
atgctttttc tagtagtggt cagaagggtg ttatgtttgc tanggatctt catcttatca 540
atgcn 545
```

<210> 10885
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 10885

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tttatatgtg agagagcatt ttttaagaga atcatgttga ttgtatcata tgtatgaaaa 60
gtatggcaat tgtacttgaa tcttgatca ctttatacaa attagatact cttttgatgt 120
aatattagat agtgataata ggaaatataa tgtggttttg ctctatagat gctgtataca 180
tttttcattt attgcaaatt caaagttatt tgagccagaa ggagggcttt ggtcttgcaa 240
gattgaaatg aatgtgaata ggtattttcc attgtgtatt catgaaattt ggttggttta 300
attccttgtc t 311
```

<210> 10886
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 10886

tatggaggct ggatctttga gcggcgtgag gtcctttaat ggtgattctc caccatggag 60
atgcagcgga agacatatga gaagatgtga gaggaggcac catccactat ggaatacacc 120
atgaaagaag gagcttcacc accaagatga gccttgata agaagcttgg aaagatgggt 180
caatggagga caacaacgag ggagataaat acagaggggg gagcacgaaa ttgaacgaat 240
gaacgatgga gagaagtggc acttgaatat gtctcacaat actctcttca tcaaattcaa 300
caagtgtacc atgctttatt tatgactgga acttccttga aagcttcttg aaaaacttc 359

<210> 10887

<211> 488

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10887

aaacgaaagg aggggatata tactcacnct agaatgceca ggtcgcccc ccacnctact 60
agataagggc tgtattttcc tctgtgcaan cccctgcacc ggtgggaccg gtcaatccta 120
atcggaacac cttgaagggg gtcacattaa aaccaattan ggtgtgggtg tggaacacaaa 180
atattaaaaa aactaatatt gattcgtaac ccgagactat cctttacacc attaacaatt 240
aatgtgtaaa cagcatacta taaaaatatt cttgcacagc tcttgattta tcaaaagtgc 300
aagctctggg gccttcattg taaactcgca ctgtgccctt caatagacag atgagatggc 360
ttcatgtgga ttccgcattt tctgtctcat attgtactgg ccgatataac ttctcagaat 420
caatttggtt cccaaatttt ctagacctat gagaaaaaac ttcttggaact tgtcactata 480
caagaccg 488

<210> 10888

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10888

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aagcatgttc tcaactcaac tacccaacaa aaggataag agactgtccg ttgagacttg 120

agaaggttct ttctattgca tttttcctac cctgaattct tctatgatta ccacgttacc 180
 ttgacctt tgaagagccc aagcctggag aggggaanatg tcatttaact taacccatgc 240
 cttacatgat aagtcacaaa attcctagag gccgttatac aatgagactc tatgcacaat 300
 agacaaatca actaaccaat atcacacaca cattgacgtt cttctcttaa tgagataaca 360
 acactatgac a 371

<210> 10889
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10889

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 acctaggggtg taaatatgat atttgcatth cgaaagacta tgtttttacaa agatctaaaa 120
 ctattcattt gatttttctt gccaaaatct attgggcatc ctttcttgtc tcatcagaca 180
 ataacgctga tgttgtataa aaaagatggt caactcagtt agatcacaaat ccaaccctca 240
 ttctagagat attgatctat atcataatga ttcacatata c 281

<210> 10890
 <211> 191
 <212> DNA
 <213> Glycine max

<400> 10890

gcctcattcc tgataacaga gacaaaatat taatgttgtg taatagatag caaaaaaaag 60
 ttaagaaaaa tgaacaaaaa aaaaaagtta ttaacatata ctctatttat cttttaacgt 120
 gaataatgac cgtgctgaga ttagaaccta tgaccaatg aattctatcc caatccctcc 180
 accacaatat g 191

<210> 10891
 <211> 276
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10891

acatattctg caactganta cgagccgtca cagggtgggtg attgcatatg aatggacatg 60
 tatgatgact catatatagc tatacactga acatacacta tgcgtatgat gatgattctg 120
 cgtgataagt attagtagtc aagctcctca gaatgtgaag ggaggacagc atattgtgag 180
 gcatggagaa cacctgagac atgtacatga cagtgcact agcatgtata gctgtatcaa 240
 ctatgtatac gtgactcact attcacaagg atccct 276

<210> 10892
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10892

actcttgctc gagaatggag aattgcacta agcaatcact acgcatagct ctcttactcg 60
 aaggtggagg acacatgaac gagaacacaa ttcattggnng ctccgaaaag gggttgagaa 120
 tggagaatta cactaagcaa tcactacgca tagctccaaa cttgaagggtg gaggacacat 180
 gaacgataac gcaattcatg gtgctccgac aagattgaga atggagaatt gcactacgca 240
 atcactacgc atatctccaa acgcgaagggt ggaggacaca tgaatgaaaa cgcaattcat 300
 ggggctccga aaagattgag aatggagaat tgcactaanc aatcactacg catagctcca 360
 aactcgaagg tggaggacac atgaatg 387

<210> 10893
 <211> 233
 <212> DNA
 <213> Glycine max
 <400> 10893

agcttcattt tgatctctaa gcgacacctt gtccttgggt gagcacgact cagagtcgct 60
 aagcgcaatt ccttacggtc ataactgagg tccatgaagt taagcgccat tcatggcagc 120
 taagcaagat tcattgcggc agtgtgcacg ctgagcgagt ccttatcagc taagcgcatg 180
 ctctctgtga cttaacatgc atcatttttag ctgagccacc catagtgtgg ctt 233

<210> 10894
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10894

tccatcacag tgagactaaa taatggtaga ggaggagtgt ttgaccattt ttgttaaaaa 60
tttcctttgg agactaaaag ttaaatttca attaaaaaag tataaaaacc aaaaacataa 120
ttagtcctat agattattat ctattattaa attattatat taaatactaa attaatagag 180
ttaataaccg cttaaggaaa atttcacaaa acggacaaca atagggttaca acatagtcac 240
acaagataaa ctgaagcttt aattattgtn taatcaaata aggcgcaaaa catacaacaa 300
tatgttacia caaggtctat atcacctagt cactcaagac aattatagcc tcaactgctca 360
tctctcttgt gtcaaccaca tgtcccttta taccatcaac aacaacgacc tttggcattt 420

<210> 10895
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10895

agcttgctat tggagcttct atggaggctg gatctttgag cttcaatgag gtcctttaat 60
ggtgattttc caccatggag atgcagcgga agacaaagga gaagaggtga gaggaggcac 120
catccactag ggaataagcc atgaaagaag gagcttcacc accaagatga gccttgata 180
agaagcttgg aaggatggtt caatggagga aaagaaagag ggagagaaaag agagaggggg 240
gagcacgana ttgaaggaat gaaagagga gagaagtggc actctgaagt atgtctcaca 300
agactctcat tcatcaaagt tacaacaagt gttacacatg cttttattta tagactacgt 360
agcttccttg a 371

<210> 10896
<211> 507
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10896

aagggaagga gaagctaggc atgcatntcg gacanttata nannnaacc accgtacaac 60
anagagaaga gaataatggg gaggaagat tttctttact ggggaagccc ctacaccggg 120

tggaccttac aatcactcac agactcatct catgctgtta ggatggcttc ttcttcgctt 180
tcattgctct ttcaggatat gtataacaga tgctctcata actcatcctg aacttggacc 240
ttttctcttc tacagatatc taatcatgca caagcttaga gaattgcccc aactccccctt 300
ccattttctga tattaggctt agataggatg gcttggttggg gctcggccgc ttaacgcaac 360
tttggctccg ttaacgtgca tagatgaatc ccgcataatg gccaatctca cttgagtctg 420
aatgaatgt gcgaggcaaa tcttgtaacc aaatttactg atctagatag cgaattctac 480
tatggtctat ccattattcc aaaacag 507

<210> 10897
<211> 199
<212> DNA
<213> Glycine max

<400> 10897

agtctaccaa agcgaccaag atgggtaata tcaaagggtta ataggttatg attattgcgc 60
ttacacgaca acatgggttag cccacacata catgttacat gtatatgtgc tactacgtga 120
tgatatagtg gtgtagtcaa cgcagctgta cttctaggag cataacacac tgcccccttc 180
tactcctata agttctata 199

<210> 10898
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10898

aagctgacac attgatccca ctactaagag agcgcatgac gactctatac ccatttcata 60
ancncctaac acaccaacat tacagaggtg ttttcaacca ccaacaaagg ccccatgtac 120
caattggaat tcatatgcaa ccctaattctt gcatgtccac ttcattccag caaaaattac 180
gagaataata ttgtgaagct attagatatg gacaatcttg taatttctat acttgacaga 240
gtggtaattt tctttttcaa tctaaaaatc aatattctat tcatagtatt a 291

<210> 10899
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10899

agcttgtaaa gggttataca tgatacatgt caaggcttgg tttgggttcaa ggataaaatg 60
gatgccccac attatttcca tgacacaaat gcaaaaaatg atgatttgga aattttatgc 120
aaaactggtc atgcatgcmc ctatgcmgac gctcaagtgt caaattttta tggatcatgtg 180
atgctagggc tcaggattca tttcctctat tntagtcaac ccaatatttc caaaatatgt 240
tcttttatca atttgtgcat tcttccaagt ccatttcggg cgtccgggga aattttcaca 300
gcattcaccc t 311

<210> 10900
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10900

ggacactact cttaaaacaa gaatggcata caacctcctc ccataaatac aaacatcaat 60
gtaaatttag agcaagctta tgcmcatgtt tctttacgaa cgttcacttg cggaagacat 120
cctattaact aagaaaaatg caccatata caatcaaggt agcttcatta cctagattat 180
ntacatgtac ctccaagtg tatttgttat ttacatcaca cacacctcct tggctgaatt 240
tacatacatg cataactcaa agcatttggg gtacaaaaaa ctgcacatgc gctcatcttg 300
gtattttctaa tacccttaca tatacaaact tcacgatgaa tcttgact 348

<210> 10901
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10901

agagcgtcat cctaganctc ganaccagaa catanatact caactgctac cctggaactg 60
ctattctgcc ctcttttggg tggccatcta gatggcctga tttctcaggt cacttgaccc 120
attctaccac taaaaacct aaaaactatt tatctaccaa acgtcacttc ttatattgca 180
tagaggtgtt tctaagact gaagaacttg ctgaatgtct agtgatctca cgctctactt 240

acctaaatat ctcaaataac actacaatct acctatgaac cctaaacatg atcataacct 300
ataaaagtgt ggtgctagt acccaaagca tactaccatc atacaacaaa cttgtctgaa 360
gcgtttncac tcataccttt tcactctgatt gtgataccac tttagaccat tttgaaagat 420
ttgcg 425

<210> 10902
<211> 325
<212> DNA
<213> Glycine max

<400> 10902

catcttcttc aacctttgtg agtggagact ccattgcatt gaagcgcata tccactcgca 60
aatccaaagt gtcaaacctc tcaccacac acggttgaag accatcaaac ctgtccttct 120
tcaacagcat tgctagcacc ctatttcagc catgagccat catgctcctt tatataccca 180
aacgatgcta tgactgaagc gcctatgatg aatgatcgat tgattggaac atactgttca 240
caatcaatag ggatgttgaa ctgttgacgg agaatggtaa ccaagatgat gataatgcga 300
tgtggcattc aatcgcaatg cctta 325

<210> 10903
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10903

ggaatctgac taagcttgca tnacggacca tagatactaa gcttgctgca gcatttctga 60
actatcggta gatctattct ctcgatatga tgacctgcaa cttgtctgta gcgagaacaa 120
agagggattg actcacctta tcctacatta caggtttgca gtcttacagc gctgcagatc 180
tcaatgctat atctttgtgg gcgcaataga gttttctcac acaccaatgt agacttctct 240
gatggagtgt gaggttctgt aattctttga acgcaccctc tactacttgg tgccatgcat 300
cttaagttct gacctacttt catatataaa aaaggaaacg gatcattaac tccttgagtt 360
aaacactact tcgaattcac tottacttgg tatatactga tgactgtcat ctatgctaag 420
aatagtagta catgctt 437

<210> 10904
 <211> 514
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10904

gcggggcaga ggaaggatgat cnccttagtac cgtcactcag ttagaccggn gccncttaag 60
 tcacctgcgg catgcgagcg aaccatttta tactttgcga cctgacgnac ggcgccggaa 120
 tatttgagtg aaagtacat cctctatcct aaatgagccg tcaatctgtc gacatggagt 180
 cctaactttt tattctccta actatagtat gaatgctatg cgatgcaaca acctaaaacg 240
 cgcgttgatc tatggtggcc accctctact gctagaagat gaaatattct catcctgagc 300
 aaagtgcana gctagatact tagtctcaat ggattgcagg cttcagctac actttncgga 360
 cattgtttat tcgaaacgtt cgtgataccc acaggccttt tgcgtgggtg ataaccatga 420
 cttatcttaa gatgctacca caatcccctt tgacgagcat aggtatgag cctctcacat 480
 gaataggatg gtactcatgc ccacaaaata aatt 514

<210> 10905
 <211> 245
 <212> DNA
 <213> Glycine max

<400> 10905

ggttgttaat gaatgaagcc ggctagacgg aggagaagtt tgactacgcc caggggttgc 60
 ggatctaata cgctattcgc ccatatcgct atcactccaa agagcatgat ggacttatac 120
 tcacgtgaat agagaacact cacaaattta tgtaatggaa cggtcattca cgccattaag 180
 cacgataacc acttgctgtt caaccgtctt acgtatatcc gcacactcgt gatgcttgat 240
 gaagc 245

<210> 10906
 <211> 218
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10906

tactcaaggg acttgaaatt caagctccaa aaactaacc aaggcaacaa gggggttgag 60

gagtattttca aggaaatgga tgtgctcatg attcaagcaa atattgaaga agatgaggag 120
 gtaactatgg ctcgatttct taatggtttg actaatgata tccgtgatat tgttgagctg 180
 caggagtttg ttgaaatgga tgatntgctt cacaaagc 218

<210> 10907
 <211> 504
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10907

nnnnaagggg taaatgangc nttcaccact agactaagcc tgagcaatct aacgacatac 60
 ttttactcga gtgccgcttg tttccgttaa aaaccagaca ctccggattg gtatttgga 120
 cctctaacca attccaacca acattacctt ttaactcgga ggtctgatta agtcccgtaa 180
 tataatcaaga cgcttcgaat ggaataccga agctctgagc aatatcaaac gacaattact 240
 ttttatctcg atgtctgatt cagtcccgtg atatatcgag acgctcgaaa ttgaataccg 300
 aagctctgaa caaattcaaa cgacagataa ttttntactc agatgtctga tgaagccccg 360
 taatatatcg agacgctcga aattgaagac cgaaactctg agcaaattct aacgacaata 420
 actttntact cggatgtctg actgagcccn ggaatatatc gagacgctcg gattggattt 480
 cgaaactctg agcatattct atcn 504

<210> 10908
 <211> 526
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10908

agggaagttc gatcttgata ntcnnccatt ttggaacnat cggcgnactc tcagaggccc 60
 gcagaagagt agcagcaact nttatctgtg ttgcttgnga catgatcacc gggacatgtt 120
 tggatgatag tgagcctcac ccacatagga tatggtctaa tctttaccag aatccattca 180
 tcatcctcat tgctgttctt tcttacatca tccaatgatt cataaaagat ggtcttaatg 240
 attgccattg cacatgctca cccaatggtc acttatcaaa tacagtatac catggcctta 300
 tagcgggtga cccatgacta cataaacacc taaagtgtcg gtcatagaac catattgaag 360

ctttgcaacg tcatttactt atataataat acctatcatg cggagatgng ttaccagatt 420
 cacaagactg atatacgta tatgcgaatc ttacctgaaa ctctcatatg gaatacatgc 480
 ttatttactg tactaacacc ttatgccata taaaaagaat catccg 526

<210> 10909
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10909

accaaagggt ccaaaacaca aattcagggc tcctttgaat caagatattg atagatatgc 60
 acaaaagttt ccatatacac cagaaagctt ctatcagaaa gcttcttata aacaaatnta 120
 tttgaataaa gcactaatat ctcttttatt tnttcctgtt gcgattgtta ttgatgatgc 180
 aacctctgtg ctctgtgttg ctgggtggcta tgtgaagaat gctgctgaac tacagttcaa 240
 gataagagag ctatat 256

<210> 10910
 <211> 155
 <212> DNA
 <213> Glycine max
 <400> 10910

aatatgttct tttatcaatt tgtgcattcc tccaagtcca tttcggggcgt ccggtgaaat 60
 cttcacagca ttcacccttc aggtgggtgac accgttggtc ttcaaaaatc aggtatgatc 120
 aatgaatttt ttttcataga agaagtggaa atcat 155

<210> 10911
 <211> 289
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10911

aattttctcc tattccttaa coctttttgt caccaattta attactgatt aactctaatt 60
 gtcaaattta ttattcagct ttatcaattg ggcccatthg acntaattgg tgthtttaatt 120
 tcaatttcag gataattata agcaattggg ctgagccaga ttggactaga agagagcaaa 180

caattntatt agatttcgtc taatttcatt ntattgcgtt caatttttat ttcgttttag 240
gccaaaataa tgtaatcagg tccagtgact ttgagtgcc tttaaaaat 289

<210> 10912
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10912

cagatttgca tctganatat caagcaatgg ttagtgaatg ncatgatgtg atataacatt 60
attggatgac atttaagatt tcatttatta ctctatgttt gagatccatt ntacagagga 120
catcctctta ggatctgtca aatcctatga agaataaatg aagttcgaga tctgaaagtt 180
gtcaaacacc attaaaagat gcgcactgct tgtgatagat gtgcttgact tanagcaagt 240
agttttctgc tgaagtgatc aactcanaag ctcacaaaag tgatactaaa catagtatct 300
atggtagaaa tgaactagta taaatctgtg tcttatatgc tttttttact cttctgcttt 360
aactaacaca gggtttgaat tggatttatt ttgaaattct gctatttgta aattgattcc 420
atcgctaaag tgttttgcaa aatc 444

<210> 10913
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10913

gagctntctt cttatgtctt cacaaataat catcacacag caganaacta acaaaactac 60
ccctcatatc tcccagaacc ccataccac gaaatttaag agagaaagaa gtccacccaa 120
acctggattt tcgaagtccc actcgtagcc acgcaattca cgaccccgaa aatgccctcc 180
tttcgcgatt tggagcagaa atgagcacca aagggttgag ctttggtggg gtttcaatgg 240
agaatggagg agaatgatta agcaacgtga ggaagagggg agagcttctg aatttctgtt 300
ttggctgagt gaggagagag aaaagctttc tggctttaa taanaggttt tctcttttt 360
ctattatctt attcaagctc taccacatgt cccta 395

<210> 10914
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10914

gaggcgctac atgatctcac cacttganaa ttaccnnng nccatnnata gangagaagt 60
 gggaggcgca gccttcttct atttatgaga ccgaaggga tgtgagngct gtgatcattc 120
 attagcgtaa catatacatg atctagtggc atgctcacca cagtatgttc ctttaggact 180
 actcactata actacaatag cgcaaacgca gccactatac gcccgatgcg aatgaaagat 240
 ggggtgatgaa gagggagatg acggaccata tgaatgacga tgtgtgggct atataagatc 300
 tatggcttat gtgaccgact ccatgctaaa agatattatt caacagaaga cgatggtaca 360
 gatggcgctt accgcacaac tagggaagca gaccagtgtc acttcccgaa gtgaactcgg 420
 gcctatacag aatctccaca ggttttgaat ctaatgtatg gatctcaagc gtaccataca 480
 gcgtgcctca cacttaattc cg 502

<210> 10915
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10915

agcttacagt tgtccataac cacatgtcac tgcacttaca acaatgcatt tcaaaccgtt 60
 aaaaccttgg tattgatgaa aatttcacat tcataattga ttcactagct tcttttcagt 120
 tgtgtcaaac aacccatgga caaatgttgc aaataagaaa ctaaatagca tgcccttctgc 180
 aagctataac ccatgtgaca cttatcatct tctgaaagct ataaccttta taacaagtgc 240
 aacatgcctt tntctccaca aaatggtagc gcaattgcaa catattgtgg ctctgaagtt 300
 gttatatatt tatttattta taaagaanaa aggagttggg ttaacagaag aacaagattg 360
 atatggagaa tatgcatct atctcacaaa ttctgatagt taatgcaaag caatttaatg 420
 atactagcta gtatatgtag t 441

<210> 10916
 <211> 353

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10916

cattcaatTT cgagggtctc gatatatgac gggactcttc tgacatccga gtaanaagtt 60
attggcgTTT gaatttgctc agagcttccg tattcaatTT caagcgctc gatatatTac 120
aggactcaat cagacatccg agtaaaaagt tattgtcgTT tgaatttgct cagagcatca 180
agattctatt tcgagcttgt cgatatatta tgggattcaa tcggacatcc gagaaaaaag 240
ttattgtcat ttgtatttgc tcagagcttc aacattcaat ttcgagggtc tcgacatatt 300
acgtgactca atcagacatc cgagtaaaat ggtattgtcg ttttaatttg ctc 353

<210> 10917
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10917

aggggatgTT gatcttcgtc gtcangcatt agatanagac cgcgccnct canagacgac 60
ctgaagcatg caagcagnat tccttttttg tctccaaacc aacaaggggc ggTTTTaata 120
catgaacgat actccaaccc gctggcgggc accctggTTT cggcctatct tgtggccatg 180
atggcttccc atctcataac atgtctaatt cctaatacat gtagcccctg atattctaca 240
tcggctctct acatgtgtgc aatgctgcgt tttcaagatc aaacactatg agttagatgc 300
ctcgatcacc gaacctcact ctttttagata ctagattgtc tcttgctccc cactcataga 360
agctactctt agctatacgt aaagacctac atgaacggTT gctatagcac tttctagaga 420
gttcttgaca aaacaaatct ggtggtcgtg tatccctgaa tagggagaac cattactagg 480
ctctgatatg tgattcctac ggtggtgagg gaatgtcg 518

<210> 10918
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10918

tcaagtggtc gcgatatact atgatgatgt tccgagtact ttggatttgg tacgaccatg 60
ccctcctgat ttccagctgg gaaattggcg agtggaggaa cgccccagca tttacgcaac 120
gagcataatg tanaccttta cngttntaan agctctatag tcnggcctag gcttttagagt 180
tnttcctttt gttaaggctn tgtgtctttt gtttttgaat ttataataca aggatctttc 240
ttcatctgtt cctacgtctc taaccattct cattcatttg catgtttact tctttttctg 300
aaacggcaga tccgatga 318

<210> 10919
<211> 251
<212> DNA
<213> Glycine max

<400> 10919
agctctagtg tttagtttta ctctcgcctt ttaccactca gggcctctga agttcctgga 60
tgaatcatat taaacacaca aggtatataa caggaaagac agtctaatta tcactgagta 120
gcacatctaa ttgggataac aaatcacaat tgatgctggg taatggacta gacttgattt 180
ggattcagat ccgaattgga taacagattg gattggatct ggataactga ctagacttga 240
tttgatttgg a 251

<210> 10920
<211> 295
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10920

aatcactccc gcattgtatc tctagcatgc tttttatggt ggtctcgtcc tttgtcacgg 60
gaagccggga ggtccatatc accttcttaa ttgtacacat ggggcactgc acccncaa 120
gcacatgtaa gaagagataa ttttccgggc tctcgtgtcc gtaaaatgca ttcatatcat 180
gcacgcata agcatctctt gacaacatca taatggacat atcctgcatt tgtccagtat 240
catattccag cctcacattg tgcattgagtc atggcatcat catgcatatg cgttc 295

<210> 10921
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10921

agcttttgatt taagttggct tgctcattgn tntctcgagc aatatgttga atctcatntt 60
taacaaaggc atctttgagt cgagtatcca tgtggtagta tcttgtcatt tatggatctt 120
tggttttagta ttctccattc aacctaccaa tgatgagtnt ggagtcgctc caacactnta 180
tgcatttgtc ccttacttcc ttagctaata gaacttcata ctcgacttgg ttgtttgttg 240
tttcaaattc gaaccttaga gaatgctcta ngatgacttc ctttagcctt tcaagaatga 300
ctccagccca ttcccctttt cattatataa accatctaca tacaacctcc accactcaga 360
ttntgtctct gtgttggttg ata 383

<210> 10922
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10922

ctcagctgag ttgaaaaggc caaggactct ctgtctcca tganttttct aacattacat 60
tggtcggaga caactcgaac ttgaaggctt gtgtcgctgc ccttaagcta gagtcaaaag 120
ggttgagaaa tcgctgctaca aatgtcanag actccgcana ttaaatgtga agaaatggaa 180
ggctganact ctgttgcctt tgggtgagaag gagagagnat gctaaaagga agagaanacg 240
tggttggaac aaacttccta tgatgacgtg tatgaagcgt acacatctgg ttttaatcat 300
tgctctgcc aagtcctttt tcattgtgag gttcatgatg agtcaattnt ttatattgaa 360
aaaaatggtt ataatggaaa 380

<210> 10923
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10923

cctccacctc tntagtggct ctcaacctct gtatccaatc tataccttat gcgtaggctt 60
tcaaccatct acggtagcca ccgacggccc tgttgetact tcccctgagt tccttgtcct 120

tcttttggcac catntcccat gccttggtga cccctgaag caccacgcg tggggggcta 180
 ttgaacctcg tgcaataaaa ggtgtgaagg ccttctctga tgggtgccccn ctcatggggt 240
 agccaagttg ccttatggcg aggacgagat tataattaat gcaaccctc gtcccatc 298

<210> 10924
 <211> 222
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10924

ataaaaagat ggatgaatga atacggtaa ttcaacttac gatgtgaaaa atatgtagtg 60
 acagacagac tataatgacg acangtggac ctacattta tgatccagtc atatacgcat 120
 tttctataga tcgcaagaat tgcattgttg acactcagaa atattgttga cagctctaca 180
 gtntacgact ttgtgatatc tatgatcgtg atgtatacag ac 222

<210> 10925
 <211> 237
 <212> DNA
 <213> Glycine max
 <400> 10925

cttatttctc cctcagatgg cccgtttagc atatcatata attctacacg caatgagatc 60
 aaagacactc ttatgaagct acttcacata gtccgtcttt gcatgaccac ctatatgctt 120
 aataacagaa ccattaagca aaccatcaag aagagtaa at ggaaaaaacc ataaacaact 180
 tcaacatgag acaattagtg gtgccatgaa caactctata ggatgcaaat acaacat 237

<210> 10926
 <211> 219
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10926

taattcttac aatcaatatc ccaacaattt caatcaagga caaggcttca ggaaagtcaa 60
 gggatgtata ggctcaaac catgcaaaat caaaggccta gacaagagaa aagaaaacct 120
 actcttcaag agaccatgct tcaatatatn ggcccaa atg atcagagaat gaagctgggtg 180

gagtctcaac tcaccaacat acaattcctt ttgtcacaa

219

<210> 10927

<211> 310

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10927

nttccccgat cccgcgacac tagaaacccc caacggctcg gtcaataaac tgacatgttt 60

agtactggac acgtgcatat ttacaaattt aacttttggc tttcctaaag attttttcca 120

accaattata tgggtgtttt atacaagctc aacctcataa aatgggctct ccatgtggac 180

ttatacacc atgggtgatt atactcaaca caatctgtga gttctatgtc aactaaatct 240

tgtgatagga gacttgcctt cagttgttct gaactttttt tccttactcg gacctatcag 300

gaatattcgt 310

<210> 10928

<211> 233

<212> DNA

<213> Glycine max

<400> 10928

atacgatatt gctgacacaa taatctcttc tatatagtta ctgagaatca ttgtgtctgc 60

aacacaaatg gaatccaggt catcacaatc aagatcagtg gctgcaagca cttccatgat 120

atggctcttg ttatcctgaa ctgtgatcat cttcatatcc ttttccaatt gagacttcca 180

gctgacaaga tgtgattcat cttctggggg cctgatgtct atgttgtatg gga 233

<210> 10929

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10929

gataagaana aganaggaga atagatctac cttgaaacn cgccggccgg cacgagagag 60

ctttttaccc accggaaagg gggcagaccc agcgccagac atggaccacc gaaaaaggga 120

aagccaagcc gcaagctggc gnaaaaaatg aatccgaaat gtgacaaatg gatcagcctt 180

acgtccacaa ttggtttgcg gatggaagga agctccataa gattggaggg acagaatcgg 240
acaggacaac acgcctatga gagaagaata aatggactta ctctacaatc taaagatgaa 300
aattcgaccg agagcttata caaatatgat aatggggaat aataccgcat cactaggaac 360
gaacgcaacc tgagttcata tgatgccaaa agaacggctg accgcggaaca tacaactgaa 420
aggagaaccc ccn 433

<210> 10930
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10930

agctngtgag ttatgtttca ctctngcctc ttaccactca gtcgctctta agttcctgga 60
tgaatcagat tagacacaca aggtatataa caggaaagac agtataatta tcaactgtgta 120
tccgatctaa tntggataac aaatcagatc tgattntgag taatggatta gactcgatct 180
ggatttagat tcgatttgga taacagaatg gatttgatat ggataactga ctagactcga 240
tttgatttgg ataacaaatc tagaattgat tcgatacggg taacagatca gatccggata 300
acacaatgaa tatagtttgg ataacagata tgataa 336

<210> 10931
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10931

aaaatggtga caaactccac atactacaca tgtaaaacat taacaagcca tcctgattcc 60
taaacacatg atatgcatct tcattttcaa agccacggac tgagggtccat catctacacc 120
aagcttctca aggtcctcaa aaaaagcatc gggattnttc ttccacaact cttccacctt 180
atttatttgc tgttcaactta tntggcgagc ccttaactgc ttcttaaggt ataagacttg 240
tatattctct atgtgataac cctaaaggca ctttcttgaa gcatcatatg atatgcccaa 300
atcatcacat tct 313

<210> 10932

<211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10932

gccatttgaa tttttcaaga cttccgctg ctcaatttcg agcgtctcga tatattatac 60
 tcttgaatcg gacctccgag tgaaaagtta agaccatttg aatntctcga gagcttccgt 120
 tgttcaatth tgagcgtctc gatataattat gcgcctgagt cggacctccg agtggcaagt 180
 tatgaacatt tgaattttctc gagagcttcc gttgctcaat ttcgaccgtc tcgatataatt 240
 atactcctga atcggacctc cgagtgaata agtatgacca tttgaatttc tcgagagctt 300
 ccgttggttca atttcgagcg tctctatatg tgatgcgcct gaac 345

<210> 10933
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10933

acgacaataa ctgtttacat ggatgtctgt ttgagtcctg tcatatatcg agacgctcga 60
 aattgaatgt tgaatctctg agccaatcca aacgaacaat aacttttact cngatgtctg 120
 attgagtcct gtaatatatc gagacgctcg anattgaatg ttgaagctct gagccaattc 180
 anacgacaat aactntntac tcggatgtct gattgaggcc cgtaatatat cgagacgctc 240
 gaaattgaat gttgaagctc tgagccaatt caaacgacaa taactntnta ctcggatgtc 300
 tgattgagtc ccgtcatata tcgagacgct cgaaattgaa tgttgaatct ctg 353

<210> 10934
 <211> 583
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10934

ccggannnac ctntttcttt tctcagtggt gcactctcaa acnnccaatc tctnccgggn 60
 ntcgaagaca nacnctntnn ctttcttccc ttnttagttg ngccttggtg nttagccata 120
 ngcntntttt atntntttcc ctttctcana tntnttgatc atntttgacc ttcttctntt 180

atngaaagcn tntctntcga ccattangtc cccgcncctt tagctgtaga ccctntctnn 240
 nttatgcctn ntaaaanaca agaaaaccat tatngggcca aaagaaatca agaaggggag 300
 ttagtggggg attaaaacc cataanacan acctnntcaa aaggagagaaa ccaatnntag 360
 tggtgggcca ttgaaccagc ttcttatttc gtaagcanna attcaacatt gaggggtanna 420
 acaagccctt cccanagttn nttaagtta tttctctcta nnaactgtcn cctaagcann 480
 agttcccaa agtccttatt aaccaacttc cegtntgccc cattcggttn gttgggtgaa 540
 ccaagtgggt gaanaataac caatttcant gcccaaactt tgn 583

<210> 10935
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10935

cattcggaat tgcgaaagcc cactcctcat taggattata tttgacatct caaacaaca 60
 aatcaaactg aacaagacaa ttatagttgc tgtttgaata cctcaccac tcaagtgtat 120
 cacacaatta tggcttttct ctaatgaaac actcttgcc tttaccactc taattccct 180
 tgagttctta tgcaattcaa gagattatgg ccacaacaaa gaacaactca ccaatatgtg 240
 taaggtaagg ctagagagac aaggaaaagg ttaaccaaga taaaggctaa caatgtcttt 300
 atgcacaaat gaacganata aaattcagaa tgtaagaatt caagtaacaa tccttcacgc 360
 aaccaatata ttaccttaaa gagaattttt ttaaaagttc ttcaagcatg aacc 414

<210> 10936
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 10936

agcttgagct tttgctgtgg atagggttgc ccaaaccag tcccagtggt caagtgaata 60
 gtactattgt tgccataatc taagagcact attcctccc catcacctgc atataacaaa 120
 cataaagcct caaatcactc taaagttgcc aacttttaca ttaaaatgtg gaaccattt 180
 ttagcatgct gaatcaagag ctcaactcaca taagaggaca aaaaaagaa aaccaacttt 240

cttttattat ttgaatgttg taaaatatat agtacttatt tgattccaca tcttggatct 300
gaattttcag attttggatg tgattctaag aaactttagg ttatagtttt tacatcccaa 360
attgtccttc ttaacaattc aaacacacta ttaataaata cacataaaaa attattgatg 420
ggctggacat agattataca tgt 443

<210> 10937
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10937

tcctgactca ccataaacct tgaccaggt gttagaatgt caattcttac cctcggaagc 60
aaaaaaaaag gggagagggg aaatttccaa tcaaagagga agcananaag gagagaatga 120
aaatttcaat caaaggaaaa aaagagagga aagggaattc ccaatcaaag agtgggagaa 180
agcaaaaaga aaagaaagaa aattcccaat caaagaatgg gagaaagaaa aaagagaaga 240
agaaagggaa gaaagttccc gatcaaaaaa aaataatatg cagaaagggtc tttggaccgg 300
acaatatctg aacaatacag aattgtcacc aatgaataa aaagaaggaa agggaaccat 360
gacctanaat ggtcttcccc cttt 384

<210> 10938
<211> 267
<212> DNA
<213> Glycine max

<400> 10938

tctaccccat tttcgatagt acttgtgtaa gcccaatcca ggtggtacca aagaaagggg 60
gcatgacaat cattcagaat gaaaagaatg acctaattccc aacaaggact ttcactgact 120
ggagaatatg catcgattac cacaagctca acgaagccac gaggaagagac cactttcttt 180
ttcctttcat ggaccaaattg ttggataggc ttgcgggacg ggcttattac tacttcttgt 240
atggatactt tggatataat caaatta 267

<210> 10939
<211> 132
<212> DNA
<213> Glycine max

<400> 10939

tggttttttg ttttcaatgt atttgggttca agagcccagt gcagttttgt acatgtttaa 60
tcaatattga taaggattat gaagattagt gccgtttgaa aggattacat attgaagctg 120
ggatatgtcg tc 132

<210> 10940

<211> 303

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10940

ctttggccat ccgattcaga ttagagcgac tctatagata tgtctgttgc tatttccgaa 60
gccgacctga aggctatggc ttccgcaatt tgcggttcaa aacaattagg gagaagaata 120
tagcccacog ccaaaacttc accacaatgg ttccaaaaga ccactcccag cccagtacgt 180
acctttgttt tgctnntggg aagcgccaaa gttngccttg ataatgcctc ccttggacaa 240
gtctaccctc tatgattcaa cttngnatgc tcagcacgat ggtctatatg aacctgaata 300
gag 303

<210> 10941

<211> 261

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10941

agcttggtata tcctttcatg aataaagata ccaaatagag ggggtgttaag tgagtaactg 60
tgttaactgt gtgactgggt agtcattatt gtctctcttt ggggttcctaa cattttatta 120
ttttgatttt ggcaaaatct tgtttccata gattcaaattg ctatcttaag cttcattgag 180
ccatgaagta ctctnttggg gaaatgtata tgtcatatga tgtatatgta tattgatgag 240
ctattaatgc ttaacatgtg t 261

<210> 10942

<211> 127

<212> DNA

<213> Glycine max

<400> 10942

tgggcttttg accccatgct ctgatggagc tgaaatcccc tgcagagagc tctgagactc 60
tctcggacta tcactcacct ttacttacac cacttccttc atattatgat aatagacact 120
cctaaca 127

<210> 10943

<211> 511

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10943

naaaaaaac atgacgaatc ccgtcagtat ntgcgngaca cnncttgggt aatcatgccg 60
gaaactntaa ataaatggga gatatcatgc attaaaataa tgtatatgtg gtnttggaaa 120
atacaatcca tgaaaagatc cttcttttag ccagctagaa ccagtaccag aattttgagg 180
caatctttca atcttcgaca tcacatgggt cagtaacacg tgattgcttt ttggtattgg 240
gcatttggca tagtcaatga taactgcatt gtgctaactt attttgtaag ctgttttcaa 300
atacttaatt tcacaaaata aatcagetct tctacctttt gtgntagtac acttctaatt 360
gtattgacat taaataagtt tatctgggtg aagtcatagc caactgttct caatttgtgt 420
acgattaaaa tggaaatcat ggctggctng actctgcatt tctattgcaa acgtttttta 480
cttgaagagt gaatatatca ttttttttgt a 511

<210> 10944

<211> 364

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10944

nnnttcttgg cttgnngagt tttgtaccna cataanacna tagcgcgcaa ccttcggtgc 60
ccatttctgc tccaatcgcg aaggagtatt ttcgtatcng ancgcgcttt cctgtggacc 120
ttcaattcag gttggtgact cttctcctga ttcgggtatg ggtttggaaa tgaggatttc 180
tattctctct aatattgaaa attggagctg tactcctgtg atattactac cctctttagg 240
ttaatatctg atgtatgcta atcctttgaa ctttaaagag gtaataacca gttaaaggaa 300

gttatctgta gcaataaatg gatggacaaa ataactccag cagagcgatg aggaagcgga 240
 actatacaag ctactcgcaa aatgatgtcc tatacataca gttagacggt aaaagcgact 300
 agcactgtgc acgacagggg gtacccgaca cttgccgcct agtattacat agtgaaagtg 360
 tcttgcata gaaggatcgc aaatgagtga acgatgggac gacgtagtat cgggagtaaa 420
 ccctgggcat gcggcatatg accatgattg accgggccagt tgaaaaattg ctgcaaggga 480
 ttcaggccgg ccgaatcaga gaatctgcac gaacgagaat ggcgcgcg 527

<210> 10948
 <211> 504
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10948

aaaaaatcgg gtttgatntc tnacactnat taanattncc ncangangac ccnccntang 60
 gaagcttcga aggaggggag cttttttttg attttgtgtg tatgnagcta agcgactagc 120
 ttagggatga tatgggagta tgtanctaata cctctaccta ggggtattaat agaatcatgt 180
 gtcacacttg ttgtaactat gatgaatgac aaactcgtga gacgcaactc tacgttcaac 240
 ttctctccct attattcttc gttgatatca agtgccgcct gtctctttct atcccttttt 300
 tatatcatcc attggagcac tctgctcaag ctacctatta aatgctcatc ttgggtggagc 360
 accacatgct tacatggcgt attccataaa gaaacggcgt gtgctctcac ctatactact 420
 atgagatacc atggaatata tgggtggataa taacattaat tgaacccttg tagcagcaga 480
 tttcggctct atagtcata agca 504

<210> 10949
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10949

ctatcactgc ctcttatgga agaacaatat gcacttcctg cattgtatat ttgtttgatt 60
 gtctgataac tattggcatt gtgctccttc agtgtagta gaatatttct tggtttcacc 120
 attgactttg catgtcagca ataatcgtct tttcatcctt agtcaatcga ccagggtata 180

gatgtccaac taatgacttt ggcatttcat gattgtgact cccacacatt aacttcacta 240
tccatccttg gcctccaacc actggtttcc tgcgaagctt atagggacat ctatatntcc 300
tactgccaat atctcttttt acaaaatctt gctttctaga cctatactga ccactctttt 360
cacaatcaat taagacaaat gaaagtcttt ctcta 395

<210> 10950
<211> 494
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10950

ntttaaaaag gttcgagaga acttagaaac acacccgagc gnaacccgct ctgagattta 60
ggcaaaattg gccttctagg gacctgtgc cctttagggg aactttgtta tccacaaacc 120
tacattcttc agcggagtgg gaggattaac aatatagtgg cctgaatgtg caacatcaat 180
ctcatcatca gcactatctt gaagttgctc tttcccttga cctatataaa gaatcgaagg 240
atcttcagat accttaagaa acaatactca gtctgatgtc atcaaatatt tatgtcacca 300
aattagtcac tttgaacgat atctgtaaga ttttagtata ttcaaggac taattcggtg 360
acaaacatct ttaaaggact aatgtggcgg caggctggca ccataacctt tggatgacta 420
gagcatttac tcctttatat caataccata atctttangg tttcaagtct atattatact 480
aaccatatcc tcct 494

<210> 10951
<211> 474
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10951

gggaggcgat gtccatgatt ctgccccctt gagaagccgc agacgctgtg aacctgtggc 60
atcataagac cattaactng gtcccttggc ttacacttcc tcctagctga gtctgtagtg 120
ctttggattt gggcatgaan aacctcaaat tagatatata tatatatatg tgtgtgtgtg 180
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgagtg agcgtataac 240
taacgaacct cccaatttac acttgatagc actccacttg gatacaatta gatattagca 300

catcgtggaa gtatcaactg tggtgattaa cctctcttgaa tgatgacacc ctagatactt 360
 ctctgggtgt atccatatag atagctcgga cttctgaact agtgctgttg acaacaaatt 420
 agggatctat ggtgttgaat gaaggcactt gatgtttatg ttgacacttt tagc 474

<210> 10952
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 10952

tgctttctaa ccaacttgaa attttaacag aaacacttgg taagtttcca actaaactgt 60
 ctattggtca accaacadat tcttctgttt tgcaggttat aggttgtacc acctgtggtg 120
 aggctcatga aacagaccaa tgtattccca ttgaagaaaa cactcaagaa attcattata 180
 tgggaaatca acagcgacaa gggatgctc aaggatgatt ttcagtcttc caacagggtc 240
 cttataataa aaaaggataa tggaggtcac acccttgcaa tcagttcaac aaagaccagg 300
 gtggaccttc gaacaggcca attgttcgca gccggcaagt gtactggatc aca 353

<210> 10953
 <211> 101
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10953

atcctcattc agcgatcagt ttggttnttg cgtattattt tgaacaacgg ctacananatg 60
 gcggtgagct gcgatatgaa atctggcata taattcaagc g 101

<210> 10954
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10954

ctgtgaacgt tacatcaaga catatatgcc tgatgctgat tttgtgcctt ttntgcttcc 60
 ttctctgga agattaccgc tctacgatcc aatggctcctt tctcctctct cttttcagat 120
 gttgacttta tttctctttt ttagtttaac accaagacat gtcgccattt tcatattctt 180

tagtggtaga cgttctctca tttattgcta taaaatgcgt gagtctcggt ttttcacgat 240
gttgatatca tggtaataaa ctccctgctg agttc 275

<210> 10955
<211> 287
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10955

agcttaactt tcaactnttgg cacttcatga cttagcctgt gtgtcaccta caattgcaca 60
tatttcatca ttaaatacaa tggacatatt ctagagacaa ctttatccat aaaaataaat 120
ttatttaca aattactcca aaataacccat aaattgngga actatacaag ttttggaana 180
tgatttctat acaaaagtta gtcgtataag gcgactagca ctgtgcacga taggggtgacc 240
tcgacacttg ctgcctagtt tatctaagcg aaagtgtcat gtacaca 287

<210> 10956
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10956

agtctcgat cggtttaatc aattgtcgat tctgtgtaat cgattacact attgtttgag 60
acaatgacta atttagtcag gagtctctgc tttaatcgat taccaagggg attaattgat 120
tacttctctc tcgttcagtt gttcanaggt gaacaagaac actttaattg attacttagg 180
tcacttaatc gattacatta ttcttggggt gttttccaga tgttggatga acactntaat 240
cgattactta gataatctaa tcgatcactt tgctaanata accgattacc ttatagatnt 300
aatcgaatac aaatgggtat aactantttt tctataaata accaacttgt gttcacatct 360
acacatcacg agatcattag agaatactca atacatctc 399

<210> 10957
<211> 634
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10957

ggggncaccc ccccccaaga agaatgttgt tangcctttc atagtacnna ccgcgcgaat 60
 ttcagctcgg cccccggnn gatcctctan aagtcgacac tgcagagcga tgcnaagct 120
 nttatgttta gtatagtgtg gcnncagcnt gngatagacc tanacgtgtg gcgatacttc 180
 tctagacata cntctnngat actcgacgta ccannatact ttcacntgcn ctgcncgaca 240
 gtaccgaaca cctgagtgtc acncgttatg tatgtctgag cgatcaatat ctcagagtac 300
 agtactctct aagacaccct ctaggatgat gntttacacc ttcatttcgt tccccttggc 360
 agcgtgtttg tgaatatattc accgttntgg tctccgcaaa tctagtagtg tttacaaaca 420
 tttttaaccc cccagaaacc atgctgtcta gcttcttttc cacctgatga acatcgtgca 480
 cccctttgaa ttttaacaaac ccgtatctct ctcaaatttt gtttcgattc ggagatatga 540
 aaaatctccc tccataacca cctgctcgaa atgcctacaa aggtcttttt ctgtggctct 600
 tcagagatcc agaaaataac acgaagtacg tccg 634

<210> 10958
 <211> 488
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10958

aggaacgggg tcangacntc gtanantcaa anaattnaga aanaagccna cacggaagcc 60
 atgaaggggc aggagagttt tttgttttgt tgcnccaagg aaacggaggc tagagagagt 120
 gtcacatgca tctcattaaa acacgctaataaataactaga acagtggcgg atgaaccaga 180
 tggttaagact gcaggtgcat caagacgagt catggaagac atatgggggtc gacttcatca 240
 acaacaatta gcatgcaatg acatgtcgtg gcttgggtgag ggcatcctct tatatgcaac 300
 gtcataaatg caactctaata catctacatg ctatatggaa ccgacataga tctagtcagt 360
 gttgcaaacc tgctgtatca tacgctaatt tggggaagcg cacatgttac cttcctatat 420
 actttcaacg ataaatgaag gcttggacat tactctgaga gctccttacg actccacttg 480
 tcctgagg 488

<210> 10959
 <211> 192
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10959

tgaaatgacc ctaaacaatt aagcttgagt gaaacattga ctatgaagtt gtggttgatg 60
atccttcctt gatatatgcc atccttacta gcttatttca gttgtgactc taatgtgtat 120
gttcttatct ttganaagct gcatgtttgt gaaaatcaat tgattgatgc agtccatgat 180
attcagttca ta 192

<210> 10960

<211> 501

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10960

nnnatgggat gccgattgan tncttcngta tnancncaca cattgagtag tcaaccttgg 60
aatgaagtgg atggatcaca taatcaacct tttttccctt tgtagaccac ctgtaatcac 120
tggcctccca ccaacactac ctacctatgg caccaatggg gactcattat ttcttcttgg 180
cagggtttcag ggtaagtaat gaccaaaggg gtaggaaaaa ccaatatatt gtccctgggc 240
cacatttttt gacacatcac cgacaacaaa tccgttgaaa acccttgagc ccatgaaatt 300
aattaattgt agggtagaaa tgaacttant tatttgtagc ctttctaaca cttgagcgtg 360
tagatcaatt gtgtaggata attccaatnt aatcacgacg gttcctagtt aggtgctatg 420
agagaatgtn ttgtgcttat atccatatat tacctcgata gattacttta acaagatac 480
tattgctaga agaagaaaaa n 501

<210> 10961

<211> 206

<212> DNA

<213> Glycine max

<400> 10961

tcatectatt atgccgagaa tatgatatcg atggaggaaa gatattgcat agctgaaaac 60
gtatgtcgtc ctaagcatag tctacacgtt gacagctggt ggtgctcgaa gattctgtaa 120
cgtacatact ttacagtgtc atattcgagt gaacttcata ttagcactga tatatatctt 180

tatagaaaca tcatgcgtac gtggtta

206

<210> 10962

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10962

tctaacctaa tagaagcata cctgccagct tctncgtttt atctaactca aaagcatcca 60

actcaggtct ttctggttta gtaacaggca tacacaacgt ttccacacat actaagcctt 120

ctttgttgat gacaaatttg ttgattttga cgagaacctc attacaatct tcaagcacat 180

attcaacctt tttatagaat gttctgatag tgccaaaaag aagttagcca agcactctgt 240

atgatacagc atcaatttct tgcanaatct tgtctgcaga aggtaaaaat gaaatgaaaa 300

taatggcaaa acaatagcat atatcacaaa tcttataatg atttcacaga ag 352

<210> 10963

<211> 495

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10963

nggggtgggtc ggatttgaac tctaaactat gtccttgggt gnnttttaca ttcttctctt 60

ggtcaggact tntgttatgg gttattttcc tccgaanttn taatgggtaa ttatataatc 120

tttcagatta atttaattat atagggatta tattcctccc aattataagg gccaaacctt 180

tctttaactt tggaagagag atacacannt gaacagccta tgtagagaca gcgtagnttg 240

gttgatcac ccaatgaaca tcgcatgana agtaatgaga atgtggcgaa actgtaccat 300

tgacatctca naatgctgtt cacgaagata aaccatttgg caatgtttat ggagtgggtg 360

atatatctaa atgttgataa tccttatatg nagaaaaagt gcaagggtgaa gcacacaaga 420

aatcaagcac gctaccccaa accaaccgcg aaacctccca cactcacttc aactctgcgt 480

ttgagcttaa tcaan 495

<210> 10964

<211> 514

<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 10964
 gggagatttg catgattncg gcaattacga gaccgcatc tctnagtcac ctgaggcatg 60
 caagcttgtg gtaatgataa aaaatnngac catggagagg agcgatgatc ctccctttcc 120
 aggggatata ttaattgatt gtgtggggca gcccttacta tgttgcccg gatgttttgc 180
 gaaagcgtta tggctctgac gcagatgatc ggagtgtctg tgttatccta tacattcttt 240
 tgagtggagt acctncattc tgagctgggt agatctttcg tatttatattg gacacgagta 300
 ttatgacctc tattcatata gagctatgcc ttttgbattc tgattattaa ttntccctcc 360
 gtctatgtgt gggtcataat ggtgncgaga acacgaacaa ggaatatttg aacaacttct 420
 gcgtgggtgat cttgactttt cttctgatcc ctggccttcg aattctgaat gtgcacaaca 480
 tttagctaca ataatgctgg tctacgacct atag 514

<210> 10965
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10965
 ggtncanaaa aannnnaagg gacttactga ttcgcacant aaactagcta tacaaggtgt 60
 ggttcatatt agatgagatt tttacaacct tgaaataggg tggtttatcc taacgtgacc 120
 tttgatgcag aggaaggata ttgatgaatt gactgaagga actaaataaa gaagtgtgga 180
 gtgatcagta aagagttaat atatatgaga gcttacacta tacttctaaa gtggagaatg 240
 gcattcaaaa ttttagcac actatgcata ttccaaaaat aattatatac agaatcacct 300
 tcagtgaata tttgttctt attattttta aaatacttgc aatactgata gaatccgaat 360
 attatttttt aatattttta ttat 384

<210> 10966
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10966

aacacaagcg acctgaagta acacaaanaa cngctaacca tttacaggcc gggagaagga 60
 tttccctttt ggttatgaaa aagaaaatgg agagaaaaaa ataagaagct tgatttgaaa 120
 agaaggagat aatttatctt acacatactt tttatattca ataacataaa ctatccttac 180
 caatttacct atgtggtaca cctactgctc tagtgagacc ctttgctatg cgaactaacc 240
 taaagataga taaagtcgta gaatcaaaca atattacata tatatcctgg ctaaatttca 300
 ctcttcttta caaatcatca tacctaacac tttgctttat gaatgatgaa tgcattgtg 359

<210> 10967
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10967

atttcctccc cncagcccc tctcccnac tcgggaaaat cccgccggcn nnncggtgtg 60
 aaaggcttct ttaggttata gacacccnc aaaaaagcgc gcgcgttgag tgataatana 120
 cacaagaggc tntnntgttt caaaataaaa gggtttcctc ttttctata atttaattca 180
 agctctgcca catgtccgtc ggggccagtt ttcgaaagca agcaatatat atatcacaac 240
 gctcataata aaaccccgag cgtgggtcac aggttggttt tgttaaattc taagtcgcac 300
 gcaaaacgat gaattttata ctaattactt aagagttaac ccataacctc ccagttatgg 360
 atttctctct cttaattagc ctaaccgca tatcttgccc ccaactattcc tacttctacc 420
 aagaacatat atgcatatac actgaataat acttatatat atataatcat tcaanataca 480
 tcgttttcaa aaatatccgg 500

<210> 10968
 <211> 123
 <212> DNA
 <213> Glycine max
 <400> 10968

tagaggggac aaatataacc tagataattg tataataaaa atctacatta actatttatt 60
 tataaagaaa aatctaaaat ctattaacac acactatgat gaatgccttg tacaacttaa 120
 tat 123

<210> 10969
 <211> 314
 <212> DNA
 <213> Glycine max

 <400> 10969

 aagctacaaa aggagagagc atgaaatgaa gagccaatgg ttgatacatg gacggagatg 60
 aaaaagatca tgaggaagcg gtatgttccg gctagttact caagggactt gaaattcaag 120
 ctccaaaaac taacccaagg caacaagggg gttggggagt atttcaagga aatggatgtg 180
 ctcatgattc aagcaaatat tgaagaagat gaggaggtaa ctatggctcg atttcttaat 240
 ggtttgacta atgatatccg tgatattgtt gagctgcagg agtttgattga aatggatgat 300
 ttgcttcaca aagc 314

<210> 10970
 <211> 318
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10970

 catcagacca cttccgggtg ctggagctac ttcatttttt cttgatgggg cctatgcaag 60
 ttgaaagcct tgtaggatag acgtatgcct atgttggtgt ggatgatttc tccagatnta 120
 cctgngtcaa cntatcaga gagaaatcag acacctttga agtattcaag gagttgagtc 180
 taagactcca aagagaaaaa gactgtgtca tcaagagaat cacgagtgac catggcagag 240
 agtgtgaaga cagcaagttt actgaatact gcacatctga aggcactact catgagttct 300
 ctgcagccat tacaccac 318

<210> 10971
 <211> 236
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10971

 tgtagcttca atgcaaggag gcatgcttaa atttggttnt agagtcagaa catcatgaaa 60
 attatgatgc tcttgcgaga cttcttgctc caatatgggt tgcccatgt ttgatacttt 120

acatagaagt agcatggaac acaccttgca ctagtgtgtc ttcataggtc aatataacaa 180
ctatgaactc cctagcaaag tgtgaatgat tgtcttccta gatgaatgta tgatag 236

<210> 10972
<211> 400
<212> DNA
<213> Glycine max

<400> 10972

tactacctta gcctaatacgc tagcgacagc ttatgtgggc aagcggtagt cattgtccca 60
agcgcaattc cttacgacct taattgaggt ccatgacgct aagcgctagt catggcagct 120
aagcgagatt cattgcggca atatgagcgc taagagagtc cctctcagct aagcgcatgc 180
tcctctgtac ttaagatgca tcatttttagc taagctggcc agagccaggc ttagcgagag 240
ttgcagcttt tctaatactgc agacctcgtc aagcggactt actctcgcgc taagctgagt 300
ttcagttaaa caaaattatt ttcgaatttg aaacgtcagc taagcgcacg tgttcgctaa 360
acgagcttgg ttgataaacc aaacatctct cttgctcact 400

<210> 10973
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10973

agctattaat tgtatttgct acgttccaat tgatctcaga gtggtgtaat cgattacaag 60
atattggtaa tcgatgacca gtgtatttga aagtcgaaat tcaaatagcaa ttagtgaaga 120
gtcacatcct ttcataaaaa gctttgtgta atctattaca atgatttggt tatcgattac 180
caacgacaaa ttntgaacaa aatcaaaaga tgtaactctt ccaatgggtt tcatgttttt 240
ctaaagggta taacatcttc aatggcggtc ttgaccagac ttgatgagtc tataaaagca 300
agaccttgat gtgcatttta ataatcttct acaacctgta cagacaacta ttacacatat 360
tctttcacia cctttga 377

<210> 10974
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 10974

ctcgtcggat actctatgtc atgggtcttc gcacagtggg tattggccac tgnatggtea 60
 ggggtgggctg tggcgnggtt ggctgatgga ccgctgggta aaatcgacat tcttctgttc 120
 gctgtgggtat cgggtggggtt gccgtccacc cattccggtg tgattgcatg ccccgctccg 180
 cttacaagct tcacacgggc ttccatggag tctaacgag taccctcgcc ctattcagtc 240
 tacgcaactc ctgcacatga tcatccatct ccaccaaata tctatcggg gcgacaatct 300
 tacggatgct tgtcgtatcc catgcctcta atgggatgcc ccaacacaag acccatacta 360
 gtctatggcc tattttgata ttgctgctcc atttc 395

<210> 10975
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10975

tatgtctcctt gaagggtggca gtccatgagg aatctccttg gaaaagacat ctttaaattc 60
 ctgcaataac ggttgaacac tangagaaac ataaatagtt aactgattag aattatcact 120
 ctctctcttt tgtgtatcac tcttttcttc ggggtgatca ctcttctttc tcatattcct 180
 ttgtggagcc tcacgtatct ctttctcttg ttctctcttt tctctcattc tgaattggtc 240
 atcacatgct tctctacggg atagaagggt aagagtaaac gaagaagaat tgactattcg 300
 tctgtaaggc tcttctttgt tacngatcaa caaacgttgc atttgtatag 350

<210> 10976
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10976

tgcaacaaca gnnntccaca tctcgttgc gttcataaac ccaccgtccc ctccnaccba 60
 cctccaactg anctcacnta ctccacata ncccataacc tcntttctct caacaccggg 120
 tccccatcaa tctcccaag ctccccaac atcaaagtaa atcaacattc aaacagcaca 180

aattaccaca gccaaagaaaa caggggcaaag gcagaaaact ctgccccaaaa caccaaccaa 240
aatcacagct nttctcactt aaagacccca gtaacaattc cttcgatcca attcggttaac 300
cgttggatcg actccaaaaan tttactggaa gtctatagta cataagccta cattttgacc 360
gttgggatct actaat 376

<210> 10977
<211> 219
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10977

agcttttagt gattaccacac cattttcata gtagaacact gttaatatgt ctactaccat 60
tgtgataatc tctntctcta ttattgaggg tgctacttaa gctgtcatat ccctccacct 120
ttgggcatat tctttgaaag attcatgctc ctttatgcac atgnnttgta gttgcatcct 180
atccagagcc atatcataaa tgcactgata ctgcctaac 219

<210> 10978
<211> 325
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10978

atcctatctc cgacagccaa tgggtgagtc ctgtcccggg agtcccgaag aagaccggcc 60
ctacagtgat aaaaaatgag aaggaggagc taattcctac tcgggtgcag aacagttgga 120
gagtctgcat tgactatatg aggctgaacc aggttaccaa aaaggaccat tntcccctgc 180
cattcattga ctagatgctn gaacgactgg cangtaaadc ccactactgt ttccttgatg 240
gttnttctgg ttatatgcaa attactattg ctcctaagga tcanganagg accacattca 300
cctgcccctt cngcactttt gccta 325

<210> 10979
<211> 341
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10979

agcttatctt tttgaagtct gtaagatggg atgtcttatt gactntgtta gccttaagaa 60
 cttgttcatt tcttgttggt accaaaattc tgctacctga tccaaaatgg tcaagagcta 120
 ttttgttcta agtgatgtaa atcattcacg tcatcaagaa caataagaac cttcatatgg 180
 ccaattctcc taacaatatc tttgggtaac tgcattccacg tcatatccta gtagtgtaga 240
 aaatattttt ttcttcaaag aaattattcc atgtttcttt gattcttctc ttatcatgggc 300
 taaaaaataa caaccatcat attcagaccg taacttttct a 341

<210> 10980
 <211> 303
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10980

aaacaatgca tcaacctcat gtgtcagagt taagtcccca agagtcaccc gcgtcatatg 60
 aactacaaat gagtaacatc tttcaatata cttgaattgt actcaaaggc atgaagccat 120
 agatattgat aaatctagca tggtcacacn catagggtag atcgtgagta actctaagtg 180
 tgtagccaca agcaaaaactg ttagtaccta tgttgtcaat ccgtttcaac tcatgataaa 240
 tgacatcttg tgcttctctt gatacaaagc cgcataatggt cttatatact angatattaa 300
 aca 303

<210> 10981
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10981

ngagggtagt nccgttagna cantcnnena attaagcnaa gccnccgnga tcctatagag 60
 gcaggcatga ggcgangcaa cttnnatatt attctctgac gccacgcacc ccagagggga 120
 ggtattcttg tcaggccttc ttatcttgag ctcgttactg cgaccccaaca gagccgctcg 180
 gaactagaac tagcatcaat ctttacttctg gacactatat gatggccgct ctatcgcgta 240
 ataagtgggt acgttgatgt ctttcatctg atcacactat ttcttgacgc tagtgactga 300
 cgtcctcaac ttctctctca ccttcagagct gtgccgtaaa gcctgcactt gttactttgc 360

ggaagaattt gagcgcttta ctacgaagct ttttagcttt gggagcccag ttataccttg 420
 tgggtctacac ttcagccact agtgatagcc ggagaggacg ccagagtact tccttaagct 480
 gctaattttt cttcgacact aatcctgctg aaagtatccg ag 522

<210> 10982
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10982

nccattttac ttcttcccca gcccctctnt gncgcaccng gtgtgnncn nnnnngnnnt 60
 nnnnnntnnn nnnnnnttan atacaacaaa annaaaaaan tattttttttt aaaattngtg 120
 nccnccaaaa aacacnnnnn nannnnnnnn nnannnaaaa naaaancnaa tanaaaaaaa 180
 anaaaaaaa acaatacann annnaacaaa caaaaacaan caccattcac aacaaacaac 240
 aaaccaaaaa aancnaaaaa aacaaaaaaa acaacaaaaa ccncaacaaa caacttcaat 300
 atataattaa taaccctttc tatcactcat aaaaatataa ctaaccatat acttatccaa 360
 attttctttt aaattaaaac atttttatat cataataata aatttatata ttatcataac 420
 an 422

<210> 10983
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10983

ctataaatag aagcatgtgt aacacttggt gtacctttga tgaatgagag tcttgtgaga 60
 cacaactcan acttcaactt ctcttctttt tcttccttca atttcgtgct cccctccctc 120
 tttctctccc tctntctttt cctccattga agcatcctct tcaagcttct tatccaaggc 180
 tcactctnrgt ggtgaagctc cttcttccat ggcttattcc ttaatggatg gcgcctnctc 240
 tcacctcctt tcctt 255

<210> 10984
 <211> 459

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10984

 gtgtattnct tctgacntgg ttcttccccg accnttgctt tcnanaaaan anagnannnn 60
 naaattnnnn nnacattttt tctttnnnnn nancnnncc ancgtttggt gtacacatta 120
 ggagacttcc cctcttcacn atctnccna acattcaatc aaaactataa ctactttacc 180
 tcattttaaac cttcaaacca ttttcctcca tttttaaaac ctattntcta attcctttcc 240
 ttaaatacaa ataatatcta tatattttcca atattaatta caaaaacctt ncaaaccctt 300
 tcttaacaat tttttttctt taaaaatcaa aaaaacttta ttaatttatt aataataacc 360
 ataatttttc aaattcttaa ttaataaaat attttacacc aatttaatta ttcttttttt 420
 ccaaacataa cccttttaaaa tcattaacta cataatttn 459

<210> 10985
 <211> 392
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10985

 agcttgtatt actaccataa ggaaagaaag taatgggtgt ctacaaacaa tatggatgag 60
 gcaggtaacg ttgtcagaaa caagacaaga ttggttgcca agggttactc acaacaaaaa 120
 ggtgtagact atacaaaaac ctttgctctt gttgcttgct tagaggcaat atacattnta 180
 ctctcatttg catgtcatat aaaaatgaga ctatatcaaa tggacgtaaa aaatgcattc 240
 ctcaatggag taatataaga agaagtctat gtagaacaac cactgngtt tgaaagtaac 300
 actgttcac acatgtgttc aaactctata aaacattgtg tggacttaag aangctcctt 360
 gagcttggtt gaacatctta gttcatttca tg 392

<210> 10986
 <211> 356
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10986

ttcctagctt ntacatgna tncctcncnn nctaaacacc gtaggttttt acttcatttc 60
 atactagagg aaccatgcag gtgaaaaact gatcacgac gtttccaaaa tgtaccactc 120
 gccgaaatac gtcaggtttt aaaacttact gatgaaccga tcaactcttc ctttgacttc 180
 tccaatttat tacggatgat ataaacacat tgccacctcg gaataagaag cccgaatgct 240
 ttttaaccact tatgcagcct ttaaaacaat gtcgttattt ttttcttgta aaagtttgtg 300
 ttggcggtt taaatgcatg tgtaggaagg tttgtcacc aaataataat tagccc 356

<210> 10987
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10987

caaaatctat taaagaggat tgtgattatt aaaaatgggc gctatatattt aattaattat 60
 ttcaaaattt aaaaccccaa caactttaat atcaaattaa cggatgacct atttggtaca 120
 aattaaatga ccaanaatgc aaatttaaaa aataaaggac canagcaaga gttacgtaaa 180
 acatatagaa ttaaaagata ttgtggcttt tatataaaaa agaaagataa ttgaattaaa 240
 gataaaagaa tatatatata tatatattac tattaatata cgtggcaata acaggacaat 300
 attctaggaa tgttttttat tgtaatcttt tttctttttt tcgctttttt tccaaaaaaa 360
 cggcgcaatg catggggtt 378

<210> 10988
 <211> 331
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10988

ggaanaagat aactagatca tgcanacacn accnatcggg ccttcattag tgggcgccgc 60
 tggtgttttt ttaaangcgc ggtgtggcac aaactttatg gtttcaaac aatgctcttc 120
 actgtaaaaa ctaccctaata cattctatat ttttaataac cttaaattta ttcttaaacc 180
 attactgccg aatgttttga caacttttag attgatcccg gaaattgcct aaactagttt 240
 ctaactattc tgctgtccac aaaccattaa acactttaat agagcaaagg taatcattta 300

agccaactat aaattgagtg tcgggtgcct g 331

<210> 10989
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10989

agcttgcata atggattcag cgatgtcttt ctatgggggg caggataacc ctcatacaatt 60
 ctgtcccaac agccctccct atctaccttc tctctttttt cagaattcct aaaaaagtga 120
 tacataaggt agtttctatt cagaggaact ttntgtgggg ggggtggttct gaaacagcta 180
 aaataccatg ggtgatctgg gatattgttt gtcttcccaa gactaaagga gggttgggga 240
 tcaaagaatt gtctaagttt aatgaggcct tgattggtaa atggggatgt gatctggcta 300
 ataaccagaa tcagctttgg gctagagttt tgatgtccaa gtatggtggg tggaatgctt 360
 tatgttttgg aagaaacagt gcagaatgct ccccttgggt 399

<210> 10990
 <211> 470
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10990

aggtgtgatc gatgcnatgc gaacaccant taaatatnna acctncttag gattctcctt 60
 anggaagctc ctcaggaggg tgagcttant ttttgaaggg tgtatgtacc taacctttcc 120
 taagtaataa gaggggggtgt atgtacctaa tcctttacca agtcaataaa tggaaccttg 180
 gtgaccactt gttgtacctt tgataaatga aagcctttgt aaaccacact ttaagttcaa 240
 ctcccttccc ttttttttct tccttcattt gcgggctccc cctcttttct tcctttccct 300
 ctttcatttc ctccattgga acatgcttcc tcagcttctt atccaaagct tatcttgggtg 360
 gngaaacca ttcttccatg ccgattccta atggaggccc ctcttcacc tttctctttt 420
 gcttcccttg cttctcatgg ggaaaatcac cataagggac ctcttgaacc 470

<210> 10991
 <211> 354
 <212> DNA

<213> Glycine max
 <400> 10991
 agcttgcata ttggaatcag cgatgtcttt ctatgggggg caggataacc ctcatcaatt 60
 ctgtcccaac agccctccct atctaccttc tctctttttt cagaattcct aaaaaagtga 120
 tacataaggt agtttctatt cagaggaact ttttgtgggg ggggtggttct gaaacagcta 180
 agataccatg ggtgatctgg gatattgttt gtcttcccaa gactaaagga gggttgggga 240
 tcaaagattt gtctaaattt aatgacgcct tgattggtaa atggggaatg ggatctgcta 300
 ataaccagaa tcagccttgg gctagagttt tgatgtccaa gtatggtggg tgga 354

<210> 10992
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10992
 gaggggtgaac tgagcnttcc actncgagna cncncaatct nctttaggaa tctcctaagg 60
 aagctctcag gagggagctt attatganag gtttgtatgt acctaacctc tacctatatt 120
 atgagagggg tgtatgtacc taatcctcta cctaacttat aaatagaagc atgtgtaaca 180
 cttgttgtaa ctttgatgat tgagagtctt gtgagacaca actctaangt caacttctct 240
 cccctttttt ctctcctaact tcgtgctgcc cctctctttt tctctcctct tcatttcccc 300
 attgaagcat ctctccaact tttatccaag ctcatctggg gggaagctat ctccatgcgt 360
 attcctagtg gaggcgcctc ttcactctct ctttgcttca ctgctctcat gtgaaaatac 420
 ctttaagactc atgagctaag atctactn 448

<210> 10993
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10993
 aagtcaatct tcccagcccc ttctncttg acctctttan ncnnnnnnnn naaggaaant 60
 cacttcacaa gacactttat ctctaagana aaccncccca tagcatgtgg aaccttatgg 120

gctagactat caccannact tccaagatat tctngtacca acaaacacac atttctttga 180
cataaggacc tacatgacta ctctaact ttggctatca aaagagccta cgcgcacacc 240
ttgggattct aatacctaac atacgcaact tctaaagaaa cttgacaacc acacaaaaag 300
gctacattta tgccattttt attcttactc ccaaaagtga ttcaaataca tatatttatt 360
tggccactaa aatgaattca atgaacgggt tttttatccc ttgtttaata catgcacaaa 420
ttaaaaattt ggaaacattg att 443

<210> 10994
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10994

tatcttaagc tttggtctaa aattggtata tttgcatgga ggctaatacag agatagacta 60
ccaactagag cgaacttgcg gaggcgacag atacagggtg gagattcatg atgcccattc 120
tgcacagttg aggaggagag cgcaagtcac ctattctttt tgtgaagcaa gatcattcca 180
gtatggtggg aatccttata ttgggtgaac ttgtcgggca cctttgcata tcatccaagg 240
caccactatc tccaacacat ttatggaatg atagatggaa tgggggtctat gagatggaca 300
tgggtggtgga tggcactgac atggaccatt tggaagaaca tgagtaatat tatcttctca 360
naaggtacat tcaat 375

<210> 10995
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10995

tatgggggnnn naagtcccn nnnnatnact ngaanactng acnnnnagac tnnnnancct 60
tagganagga tggagcggaa agatattggc tctgctntg ttatngngaa tagtagctga 120
gggatgtaat gatgattgtg atgtgacaca tgnnttactc ctttaaaca tgcgctcatt 180
tgcataattc atttctttga cgtgcaggtc tacttttcaa aacttacaga actaatagtc 240
tgatataaat agaaaagtca ctggtgttaa tttgctaact catgcacact ctatgcttgg 300

tgggtaggga cctacctact gtaattatTT ttaaatggcc agccttctct tggncatata 360
 cgccaggggg gatagggaaa ttccattcta acccacatag tggatgatgtt ttgactcgga 420
 ataccaaggg tntcctcgcg tttggaattc ctctcccca cggtaaaatc acttcccttt 480
 ggtaatttca agtattcg 498

<210> 10996
 <211> 348
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10996

atctngttta ctcttacctg agtcagtggg gcctaccact atatttcatt atacagcacc 60
 ctcaaactct gtcaaaattc tggccttatt ttgttatctg tgtaacatta ctcatgttga 120
 aattactgtt aagtaaatta tttgatagtg tacaattgta aggtaaccag ttcaattcta 180
 agtctctatc aggaataaaa ataaaaacaa gtcattgatg aatgatcctt atccttacta 240
 ctctaaacat gacagcaaca caagacatga ttcatlgacc actactttta ctataaatca 300
 aagccttgta ttctggaggt acaaaagccg aaatatcaat gcttcata 348

<210> 10997
 <211> 141
 <212> DNA
 <213> Glycine max
 <400> 10997

agcaaatgag aggatgtaca tccgtagcac agtgtcaatt ggtcctctcc atcatggcga 60
 ggagggtcta taatacatgg aagatcgcaa gtggcattac ctcttcacac ttctgagtcg 120
 acaaccaaat cagcttgaat c 141

<210> 10998
 <211> 259
 <212> DNA
 <213> Glycine max
 <400> 10998

atcttgtgtt ctttcttttt cagcatctcc ttgaattgtc tagacataag agcaacttca 60
 tcgttcatga actctttaca attgttgtat ggcttttcag actcaacaat atgtactttg 120

agagcttttag aatagctggt atcttcttgt tttcgagaga tggctctctt agacatgaag 180
gcagtcaaat cttgttttgg aagatgatct atattctaaa gatgcacttc gtggactctt 240
atgataccca accattcat 259

<210> 10999
<211> 197
<212> DNA
<213> Glycine max

<400> 10999

tttctgcctg tgcagatctt gctatagcta aatgggggga acaaattcat ggccatgtat 60
tgcgtttacg tttggtaatg ctatgtcact ggcaattcca ttgtactctt attcaaattct 120
gggttgtaac ctcaactttc tagtgttcat ggtttactag aaaagattta tctcttggaag 180
cactataatg ctgaaaa 197

<210> 11000
<211> 219
<212> DNA
<213> Glycine max

<400> 11000

ttctttgttc aaattcacac gatattaact ggtgaatcgg atgtctgatt gtgtctcata 60
cgatatctag acgctcgtaa ttgaaatcag aagttcttag aagaatcaca tgacaattaa 120
gtttaactcg gatgtacgat ctgaccctgg ggtgtatgga gacgcacgaa tttgataacg 180
ggagcgctca gagatatga acgaacttac ttataactc 219

<210> 11001
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11001

gttagtcttc aaggacgagc gtgaggggta gtgactgttc tctatangac ttctgagtag 60
caagcgagtg cattgcactg ataaggagc atcccgctc aacttcaacc ggctgatata 120
ttacacggct cgatcagaca ttcgagctaa gactaattac agtctgatga tactcaaact 180

tccgtttctca atctctagcc tccttatatt cttcgaacac agctgcctct gagtcagaat 240
 tacctgtgtg tgaactgcat agagcttcct cttcaatctt catctgctcg attattacgg 300
 aggtcaatct gaactcncat tgaaaattct tagcggatag gcctcccaaa acctcggttc 360
 ctatgcttca ctgcgatatc tgggtgaacac caccggactc gacttaatgt gcttcagatc 420
 aactccc 427

<210> 11002
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11002

nggtgcaatc ctcgacctac acnctgtana ccanaccgna aaaggaaggt ggaggggaac 60
 ctcggcttaa ttgtacttta aggtcccga atattcccgg gtttgaaccc tgggacctaa 120
 ggggggtgtt gccaaacact tacatccacc accggttacg caggaaactt gattcctaaa 180
 agcaactctg gctcaccatt aaggaccaac ccaaccggga gctgtgttgt tgccaccata 240
 accttgatgg atgtggtatt gcctctgtat caataccang gtggtaatca tacaagctaa 300
 aatgagacag agctagatgg ctctgtatca tacacggggg aatcatacag ctgaaacgag 360
 cagagctagg agctctgatn 380

<210> 11003
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11003

agcttggtat tcagtatagg ttaaantnrg attatttacc atctgctctg cacaacttaa 60
 tttngncttc tgctctatgc agcattaaaa accataggta accctatatt tangctagta 120
 attcggttctt caaacatgca acanagaggt cataaaatca aacccttac acaattttca 180
 gtcgtccata gaggcaagtc ctaaaggcat acaacatgac taaaccctaa ccatcatcat 240
 gctgagcata taaagaagaa aatggcagac atcaaagggt ggtaaagagt ttgcgttgag 300
 cactaaactt gctccaatgt gcccccaaa gtccatcacg ttaccctaat aagaaaggac 360

cttgttcaac acattcaacc actccaatac tt 392

<210> 11004
<211> 236
<212> DNA
<213> Glycine max

<400> 11004
tgctcaaact ggcctcgtct atgctgtatt gtgcagttgt ggaatacaaa gatctttgaa 60
catctccttt actacatfff tgcaacacct acccctttct ctctctctct ttcactcatc 120
ctaagtttga tttttccttc tctcaattcc caacctcgca tctcccattha ttttattctc 180
aaaccacgac aacaaaagca caaacttggg ttcttaattt cttcttctcg atccta 236

<210> 11005
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11005
aaattaactc gaaagagagg ttttcttaga tacaggggaa aaagtctctc tataatcgat 60
tccttctctt tgagtgaatc ctttagcaac aagtcttgct ttatgtctct caatgttgcc 120
ttctaagtct ttctttgttn tgaagaccca tctacatctg atggctttta caccaacaac 180
caactcaacg agatcccaaa cttgggttaga tgccatagaa tccatctcat ccctcatagc 240
attataccac annattgatt ccttagaact cat 273

<210> 11006
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11006
ggtgaagggt acngatgctg atntactaaa cncagcctgg aagangaanc gggaacggcg 60
aaacagccgc cagatatatt ttaccttant tnnnacacc ccaagctggg caagtgatac 120
cccatgcatg gcaagctgtg tcataggtta ttaagagtaa ctcccccaaa attctaaaca 180
ctaacactca gaacgagatt ctttttaatt ttaatagaat taacttaaat cccgctaatt 240

ggtttgcagc acatgtgaat atggtcgaat caacaatgaa atccactatt gaagtagttt 300
gaaattgtta aattaagcgt gggacctcta aattattctc agtgatattt gacaaaaaga 360
agttgattgt gactgactca ttaccattag tgaagtcata aaccgatagc attgattcat 420
tattccaata tatgaatatt ctgacncacg aagcgattct agaccagcgt gcgccg 476

<210> 11007
<211> 380
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11007

gcttcaatgc naggaaacgt gcttgattct ggttttagag ttagaaaaac atgaaaatta 60
ggattttctt gtgagagttt ttgctcgaat ttgggttgcc ccatgtttga tactttacat 120
agaggtagca tggaaaacac cttgctatag tgtgtatata taggtgaata taagaagtat 180
gaaatcccta tcaaagtgtg aatgattgtc ttcttagatg aatgtatgat agtgtggaat 240
gccttttttg aatgcaaata tgtgcaggat gtaattagtt ctccaatatg catataaata 300
aataggagtg aaacagtaaa aatttgtatg gtgtacttca aatgtatgta agtagtttgt 360
gataacaaat gtttatgata 380

<210> 11008
<211> 106
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11008

agcaaatnca aacgacaata actcaggact ctgatgtctt attgagtcct gnaaanatcg 60
agagctggaa tggaatacca actctaacaa attaacgaca taacct 106

<210> 11009
<211> 365
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11009

agcngcttt atatccttga ggtaanatgc gtcaagctag tgacgttaaa gaagcgctaa 60

ctgggaggct acccaactct ttntctttgg tgtcttaatc attgcatata gtcagggttc 120
aacttgtttg ggattgctag agtaatacat caacatgttc tgtatgagaa aaaaagggtta 180
gttcacgctc ctgtgaagct gtggatgaga gataactctg aaaaatttta gacatccact 240
cgcttagcgc tctctgtacg ctaatcgaat catccttcac gtgtcgagcg agtgctgact 300
cgcgctaagc gcaccaaccc ttaccattg gctgaagggc ccatctaaac gagacagttg 360
tgcca 365

<210> 11010
<211> 365
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11010

gactatngct attnctatgc atnacanaac ctnaatggnn cccnccccac ccctccgaaa 60
agaatattcc ttagtttcca aaaanngggg aaatggcctg gtttccttcc aaatggaaaa 120
taccatttta accgtgtagc ctattctctt ggccaatagg cctaaacagg gggacaccat 180
tataccacct taataccgta ccaccttatt gagcactttt ggaccccaat aaaatatgat 240
gctggggcca gggcccacat cctgacaatg ctctaccaac cgaatacatt gcggagaccg 300
taatgcccgt atatccacaa agtcaatatt aaatatgatg gataagatgg aaatattccc 360
tctcg 365

<210> 11011
<211> 406
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11011

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acttgaataa aaaagttcat tgtaaacagt tgaaccattt gttgctagag aacttcatta 120
tctttgattc actgggttca ctcgagcaga gttggctcta acattttaca aagtcttcaa 180
gccattgttg acaatgaaat taatatccag tagatgatca aatctttcaa cattttatca 240
gtacaaatat tggcttcacg tgaatatctt tatatatata aagtatatgt gcgggcatat 300

ttgtaagatc aattttccctt ccttggttta gtctctatat tagtaaaatt gcatctcata 360
 ttttcttcaa tacaaaaatga aaattataaa aatctataaa tatatg 406

<210> 11012
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11012

gctgactagt atgcaacnta aaataccccc ccgggcccc aggggggagg agagagcttt 60
 tttttctccc ccccaanggc gcggatattt tcttaaaggg gaagtgatta accccaatcg 120
 gttgcaggga ccatatgccc ttcccccttc tctcctaaac cgaatcccag gaccacctta 180
 tggacgccat ccgtgtcata ccttcaaggg ccaaactgct gggaaggaaa cccacctctt 240
 ggaatcctga ttcaacacca caacgacgga cattgtgggt gaacccccct aggaccata 300
 ggcttttttag accttgcttc 320

<210> 11013
 <211> 245
 <212> DNA
 <213> Glycine max

<400> 11013

agcttgtgta tccgggtgatg atgaattctt tgacgttaca cttgacatgc ttccaccttc 60
 cgtgacctag agaaagcaca gtgaatggcc cctttcagtc ttcgggctct aaaggtaggc 120
 tategggttg atgtccggt ctagtcatcc ttcccctgct agtccttaag gtccaccttt 180
 atcccccttg attgctcaag ttgttggtgc ttccacgaat gtcactcaat cttcttgctt 240
 ccttc 245

<210> 11014
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11014

gggncnnngg atgcttctgn atgtgctttt ganaacgana catgacacna acnnggcggg 60

ctcggagaga agcattatcc tctnattggn ncaggccgag agacttgtgg gggaggggaac 120
 cactcaggag gcgtgatatt gaagaggatg gatgataatt tatctttaca cagacattat 180
 ataatcaaat aacataaaca tccataacaag attagcatag tgaaacacca ctgctctaag 240
 gtagaccctt atgctaacaa actaatga gatagataga gccgaagaac caaacaaaat 300
 acaatttata cctggcataa acttactctt cttacaaaat atcatcctaa cactcttgat 360
 ttatgatgag c 371

<210> 11015
 <211> 275
 <212> DNA
 <213> Glycine max

<400> 11015

attgcttctg tgaacaaaaa tgcacaccat taaattgcaa aataatgact aacttcacac 60
 aattctcacc ccatccaatc aaataaataa aaggaagacc cagacagaca tggaaagatg 120
 gagcattgac aatattcaga taattgtcaa aacagaacat taatataact tttggatgag 180
 atatatccca taagtccatc agacatactt caattttttt ggggtgtggt ggtgttgga 240
 gggggagaca cctaattctga tgggtttttc tctaa 275

<210> 11016
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11016

gatgatatgn acccgtcgac ggacnntctt gananataga ctagncaacc taatggcgaa 60
 cagcgcacga gagagcggg aagattgccn gatanctcan acaaccncnn caagcggaac 120
 agagacattt atagctgctg ggtgaatccc tcaccactc aagtgtatca caccattatg 180
 ggctttccct tactgaacca ctctggcctt taaccactct aatccccctg gatttcttag 240
 gcaattcaag agattatggc cgcaacatag aacattcacc atatgggaag gtatgctaga 300
 acaggaaaat gtaaccatga aaaagctcca aagttttctg gccaaatgat gaaacaaaat 360
 cctaattaga attcaagaca atcttatgca ccaaattac ctaagaattt tttttaagtc 420

ttagcatgac cctcaccacac ttttttttta atttgttaca an 462

<210> 11017
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 11017
 agcttctata ttcaatttcg agcttttcga tatattacgg gactcaatcg gacatccgag 60
 taaaaagtta ttgtagtttg aatatgctca gggcttcggg attccatttc gagcgtctcg 120
 atatattacg ggactcaatc ggacatcaga gtaaaaagtt attgttggtt gaattttctc 180
 agagcttcag tattccattt cgagcatctc gatatattac gggactcaat cagacatccg 240
 agtaaaaagt tattgtagtt tcaattggct cagggcttca gtattccatt tcgagcgtat 300
 cgatgtatta cgggactcaa tcagacatgc gagttaaag ttatcgtcgt ctgaatttgc 360
 tc 362

<210> 11018
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11018
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 agaggaggat tgtgccatan tgattcctna nancccnaga cccgcggcga gggcaaacct 120
 aggtatnnca caaatccaac ccaaagaccc cgtgaatcgc aaggtggcag gagctgcca 180
 tgataatgaa gatcctaaat atggaaggaa acgcctcccc agattcgccg ccattcttca 240
 ttgcttcgat ggagataaga cccgaaaata tttaaaccgg tggcatagat atttgtccat 300
 aggtcaaatt gaccaattca aacttgtctc tcgaagctcg ttagccccgg tgaaattggc 360
 aacgttgata ttgaatgggg ggcttcgggc aacgtgaaac agatgatttc ttccttggag 420
 atgacggtcc cattggatac cacccttcta atgctt 456

<210> 11019
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 11019

ttctnttctt agtcgtctgt aaggatgatt gngtggttaga aagcggcgat gcctactgta 60
gactgttttt ctcccatggt tcagttgtat gtaacttgta ttttcttcac agatggggca 120
tgcatgatga cccttaacac tgtaaccgct gagatttcca tatgctggaa agtcattaat 180
ggtacaaaaa agcattgcac gcatttcaaa cgtctctttg cgaaacgcat catacactac 240
aaccctctcg tcccacaact ttctcagatc ttcgaccaac ggacttagat aaacgtcaat 300
gtcatttcct ggctgtcttg ggcccgatat catcatacac aacattctgt 350

<210> 11020
<211> 240
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11020

aacatnactc ccactatttt ttttatgcat aatcatcaac caaatctaca tcaaaatcat 60
aagaagtaat nggatgaaat ctgtatattg taacgagaag attgggttaa gccttttagtt 120
tggcaccaca aactttggat cattggaaca atgtttcttc tgctccttta aatttttttt 180
atcatatact tattcgaaca tatcttattt catatatgtg ctctcatcaa ttattacatt 240

<210> 11021
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11021

atatgtcann ggtgtgtggc tctggttcta gggataaaag aggaatgtcc cacattatct 60
tccatgacac aaatgcaaca atgatgattt ggaaatttta tgcaaaacta gtcatgcatg 120
cacctatgtg gacactcaag tgtcgaaatt ttttctgggt atgtgatgct aaggctcagg 180
attcatttcc cctattttta gtcaacccaa agtctccaaa tatgttcttt tatcaatatg 240
tgcattcatt cgaagccatt ttatttgggt tcaggaaaat ttaacaacat tcacccttca 300
agtgtatact catttttttt ttcaaaactt ggtttgatta gttgaaaaaa 350

<210> 11022
 <211> 439
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11022

 gatactcggg teganacgac cataaatcca gctgagcctc gacggaatgg agagggggttt 60
 tacttttngt atcncggacc nnnncnctc nagaggcnct agacatgcaa agcttttaa 120
 cccaacccaa actcctttaa caaaatctga ttccaggctt aaataagtgg ccttgttcgt 180
 gctcgggagc ttagcgcata gctggactgc ttaccgcaca taattgaatt ttggcttaac 240
 acgtgttatt ctgccttagc ggaaggactg aagcggagcg cttagtgaca tgaagcgggtg 300
 cgcttaccga aactgaaaag ttgatctctt gccaaatctt catgcgctta ccaatgagtg 360
 ttggcttaac ggacactcct aaccaacgga ttgcttagcg agaagtgaaa atacacttaa 420
 aaaactgctt attacctga 439

<210> 11023
 <211> 237
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11023

 ttcttgatgt atgctaagcc tcgcatctca gactaagcgc atattgcaga aagatttttg 60
 gtgttgaaaa aagcgctaatt cgtcgctgcc gcgctaagcc taaattctta ctgaatttta 120
 caacctcaag ttgggcttag cgcgaggcta ggctaagcgc tagtgtttta aactcaaacg 180
 tcaaattggc acgctaagag cagtngtgcg ctaagcatgc catccgaatt tcaattt 237

<210> 11024
 <211> 442
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11024

 gggaaaaann nngggccgtg tacggtgact gaanacgtaa acananaccn ngcagacngn 60
 gaacannggg gggcacaaga gagagaagac gacctaacat ttctnngca nccnagccac 120

agggggnagg ggaaggncaa aaccacccaa ccacggngcc cccaaaagaa aacagggacc 180
 gggccgccaa aaccccaaca aaggcagacn ncaccgaggg caaanggcaa ggcnnnagan 240
 nncgcanana ccaacaccan caagcggaca ggnaaccgcc agcccagaag aaaaacgacg 300
 agggaagaaa gccacgggca ccagacacan acaccgcaac caagaacaac cgaccaaanc 360
 aaagccaccc aaagcaaacg gggaacgacc aaggcnccac aacagagggg ggggagcgag 420
 ccggagcncc acaacccccg cc 442

<210> 11025
 <211> 183
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11025

ttcacaacaa tccttgtgat aaaccttgaa cttattacaa gctataactg cacttatacg 60
 agtaactgat taatgtcatc ctcttcangc taaagttcat gtcattgtgga taatgaccag 120
 accctccttc tagatacatc acgggtactt gaaattttta ccttacgaaa ctaccttact 180
 gaa 183

<210> 11026
 <211> 155
 <212> DNA
 <213> Glycine max
 <400> 11026

atgagtctac gtcaatcett tgtattatct cttctgcagc gctcaaactc agagaagtaa 60
 caagttgaca gaagcaacaa atgacatgct cttataaata ctggttagaaa atcgtgatcc 120
 cctgaatagc ctcccttttct acatggctat gattg 155

<210> 11027
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11027

agcttaagtt tccgtctaaa attgttatat ttgcatggag gctaatacaga gatagactac 60

caactagagc gaacttgccg aggcgacaga tagaggttgg agattcaaga tgcctattct 120
acagagctga ngaggagagc gcangtcac tattctttca gtgcagcaag ataattccag 180
taaggtggga gtccttgtct tgggtgaact tgtcgggtgt ctttccaaat catccaaggc 240
aacactttct ccaacacata tatggaatga cagagggaat gaggtctagt aaatggaaat 300
gatggtggtt ggcactgaca tagaccattt ggaagcacag aaatgatatt attttctcaa 360
atggtacatt caatgccaac agaatcct 388

<210> 11028
<211> 288
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11028

tcgatcatga ctttatcgga gctgaanac tggttattga aatctaccga anngctatgc 60
ttccaaatag acatggatag agctatccaa agcacttccc atctcttgtc tagatatctt 120
ttgctattcc aatgagagaa ttgtatacaa tgattcttag ggtcaatggg gaaagggccc 180
actctactaa cccaactcag aacctccac caaaggctcc tatttgatgt gcaggacaac 240
atgatacgac caactgttta ctctctaca tcacataaag ggcattcta 288

<210> 11029
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11029

agctttgttc tcagaaccct cttgttggac tatacttaga ccaaacaaca ttattgtaat 60
agcatactta aaaccaaacc ttaatccgca gattcctctt ataagactaa gttctaattc 120
tgcttcattc aagttctaag gcaacaatac attntccaat gttaaaatca cctatctagg 180
cacacaaatg gttgatcaga ccaagagcat acaaaattta agcattgaaa gaagcattga 240
acacaagaaa cacaatcaat tagatatgaa aataattaca tcagttgttc ggtagaata 300
ccaacaagg gtgttttagc agccattaca gaagagacc taacaataat aagcttaca 360
aacctagta tctttgcaa agctgcttct c 391

<210> 11030
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11030

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gggaggtact cgatgagnct attgannaac nnaacctgct ggggaattagg acaggggctn 60
cctgctggtg tgtgattttc catttnccat ttttccggac caaatccatt atgatggtgt 120
gaaggttaga accatgaatt ccttattaag gaattcatgg gccaatTTTT gaattacttt 180
gtaatggacc aagtcttatt agaaccaaag accttttaac ccttatttcc aaggacaaga 240
aaacctccat tacacttaag ggaacccctc tgaaatcatc tctctaattc attacttgca 300
cctgctttat atattatttg gcaatcttaa tataaccaac ttcacaattg atcctatatt 360
gttattagat ggtaacaaat gataatggca taaaaactcc caatgggtga acttactctg 420
gtacttctat gcagtgattc atggatggag cttggacagt tacactag 468
  
```

<210> 11031
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11031

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gcgatccatt tctgannctn gcnatngcaa nncnnngccc nnagcagagg gaagaggggg 60
gtataatttt tanncccnaa ccaggccgag ggggatcaaa ccaccaacca caccacaacca 120
gaccaagacg agacacaggg acacaaaaac aacaccaaga aaaacagcaa ccgatagcag 180
aaacgaaaga acaacgacag cccacgcccc gaggggcctc aaaccacagc aaacagccac 240
gcagaaccgc acaacaaaac caaagacgaa cacgaccac acaccaagcc aacaccgaaa 300
ccacacccca cccccccagc caccgaagc aatacgagcg acgcacgcca gccacgctaa 360
caaagactcc aggaaacaca cacaagaac g 391
  
```

<210> 11032
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 11032

agctttttatc tatectttttt agctactaat taactttttca gtttgcaatt agatttttcaa 60

ctaatttttat cgaatataac ctatatctca ttttaaaaaa tataaaaacaa taaaagagca 120

tttgtttcat aaaatctttt tacattttatt accaaaaata taacaaggga atatcatttc 180

cttgatttta aaaaatcggt tgggttacatt tttatattat tgagaataat ttttgaaatt 240

taaaataatt tagataaaaa ataaataaaa agaagtttca gacgtattag acaataaatt 300

ctcacattct catgaaaata tcactttctc accctctca tgggaatata aatattagag 360

aataataata aaaaattata acattaattc tcaagaatca ataatacca 409

<210> 11033

<211> 355

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11033

agtgcattgat cttganncac accttccttt cgggggccat atggcgaaaa ttaattttct 60

ttcggccaaa aagggccag gaaggtaata cacccttcca tcctcttgac aaaattggat 120

attgtggata atatcttccg gctttggtag tcgttgagga accatttccg gccagaggtt 180

atcttggaaac ctagaatttg aggacttctt aaacataat gaaccactgt tccataccag 240

agaggagtga tggcaaaatt ttaccccgct atagatcaac tottaagcat cttaacctga 300

caccaagaat ccctatatag agaatttaga ctagattgaa caccggccaaa atgct 355

<210> 11034

<211> 374

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11034

agcttgattt tagttatgtg ccacctggat aactaactta catactccag ctactctgaa 60

ctgagtacaa tactcaactgc ctccgcatac gacccttggt cacccttggt tctggcatca 120

ttctcaggta cgtatctcta gaccctcttg gatgatgttt accctcattt ctccncttg 180

cagctgtatg tgaatattca cgtattgggt tcccaaatat agtagtggtt acaaacactt 240

ttaaccccc aaaaccatgc tgtctagctt cttttccacc tgatgaacat cttgcacccc 300
 tttgaattta acaaaccggt atctctttca aattttgttt cgtatcagag atatgaaaat 360
 ctccctcaca tcac 374

<210> 11035
 <211> 443
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11035

ggaagattca ngcttcgtac ancttanaaa ttaacccna ccatggatgg cttggccatc 60
 aaagcccaag ggagccttct tanccttctt cactccacaa accccaggac ttccgggaat 120
 ttggaaaact ttcattctcc aatcaaaaat tggcctcggg gtaatgcttc ttttgaaaat 180
 aagggaaatc ctcttaggaa ggccttgcaa tttgatagga gaaccatttc atggacctac 240
 taatggaatt accctaacat tcttggaact aaatttgggt gcaccccaa acactttttc 300
 agtacctaag gatcagggtcc aataaactaa attggattgg aaaggaatca aaaagaaata 360
 gaccaccttt atggttaaga gaatgtagga agaagtgctc ctcaaaggta actaaaagaa 420
 agctttacat aaaacacctt aan 443

<210> 11036
 <211> 409
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11036

aaaaannttg tatcctgac gantcaaact aacataacnn gaccaggact cgagcgagga 60
 gaggttcgcc ttnacttggn naccagggga gagagaaacg aaagtggcaa ttggagccac 120
 taggccccaa caagcgatga cacagacagc agggaaactg agatacgcca aagaggccgc 180
 caaatcaaaa acggctacag gcccccaatt ttacccaaaa atggacacgc tacctcgggc 240
 aaggggaggc ccgcgcacac acaacctttc aacaacaaat gacctcaacc cggaaaatcc 300
 attaccccc taacaccgaa tccaatgggc cgacaaccct aatcaacaca tttcaaacgg 360
 accaggcccc actgaacca aggaacaacc ctacacctaa cgtaaccac 409

<210> 11037
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11037

tttctntatt atgctccatg antctactnt acaaaacaga taaacataca tgcgaatggt 60
 aaactgatga cagtgacact gaataaattt agaatgttaa actgctactt cacttcatga 120
 tgataatggt tatctttctt gtatttttaa acaatttata tactatgtaa atatattatc 180
 aatgtgtaat ctattttaat tggcacatta gttttcattt tattcctact ttataaatca 240
 gataaacata catgcaaaat tttttacaaa caaccctgtg gtacgcacgg gttgccaact 300
 agtgtacata tataaaatga gaagtgtggg gttagtcttg aaatataaac agaaatggat 360
 ggggtatttt gggaaaaatt attttagaat aatg 394

<210> 11038
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11038

atgcgccata ttccctacga acgtgcactt gcacaagaca ttctattaac taagaaaaat 60
 gcacccatat acaatcaagg tagcttcatt acctagatta ttacatgta cttcaagggtg 120
 tatttggttaa ttacatcaen acacgccctc ctttggttaa aatttacatt acatggcata 180
 ctcaaaagca ttttcggggg acccaaaatt gcacatgcgc tcatcttggt atttctaata 240
 cctatacata tacaaaacttc atgatgaatc ttgactacct a 281

<210> 11039
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11039

agctttgatt agtgttgctt ttcaccttct cgctaagcca atctgcaggt ttagcgagca 60

tccgctaagc gcacgcactc ataagctaag cttgaggaag actctggacg aagatgagtt 120
 atacaggttc actaagcaca ccgctgcatc tctaactgtg caccacttca tcacatctgc 180
 taagcgagaa aggcacgcgc taagccaaaa ttcactaatg tgcgctaagc ggtccataag 240
 tgcgctaagc ggcgcgagcac gaataaggcc acctatttat gcctgacatt agatattaga 300
 ggggagtttg gactgggatt cagagctntg tatgtctagg gtttctagag aaagagaggt 360
 gcaagttcca tagagttgtg agagattgtg ctgactgaag atctgc 406

<210> 11040
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11040

gatgtgacct gtactatcga nnctgaacat tgacacnaac ctggctcccc ttcactaacc 60
 tcaggaatta caactttatg tcccagctaa accaacataa catcgctcta atgtcatacc 120
 tttaatggtg gtcatacgcc ctctaagctt accagttaat atccacagca tggctgaata 180
 caaatttatc tcagcaaagg acatgagggc tttgcttaaa gcaaggtcca tcttttgtga 240
 aaaaatagaa ttttgagtat tgttcccaga ctttgaacta aagaatacca attcacccat 300
 ctgcacaggt aatcctttga atgctgggta ttttaaaacc atattgtgga aaacatttgc 360
 gaa 363

<210> 11041
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11041

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 ccctttccat accgagaaac cactttcttt agctttcttg aagaatactt caattaagca 120
 gataaccatg tgcttttgggt aaaatcagtt ttgtcacaat agccacaaca atatgcatct 180
 tttgaaattg tttgaacttg aaagtgtcaa atgttatctt acttcttaag acttcgacaa 240
 atcccgaag aattntttta agacagtttc tataaaacga atatcagaca catggtatta 300

aatgaagtct taaatacttc actataacat aacatatgtc tattttcgtc taatac 356

<210> 11042
<211> 89
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11042

tctagctcac ccttcacgat atgtcattga acatttttct tttttgtgca tgataaanag 60

atataggggtt ccaagtggga aatacaagt 89

<210> 11043
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11043

ttctntttgt taagacacat atcttcaaac cattttgaaa aggcatgaag ggcctatata 60

tatgtgtgtc cgacttcaaa aagtaagaga gagagagaga tattctaaga gaacttaatt 120

gccaaattct ctcttaacaa ctcttaggca aacacttgca aatctattga gaattcatcc 180

aggaacttca aattgtatat catctctaaa agagagaaat tcctctaaga acttcaatct 240

gtatcatcca ctctaacga gagaaatatt cctgttcac tcacaaaagtc aattgtaatc 300

aag 303

<210> 11044
<211> 263
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11044

cctatactcg ggctccttta cagc'caatta cacaaacgaa gccttcctta tacctgtgnt 60

gtgtagacct acaatcaccg ccgaaatcat ttcataacaa cgattgagcc caccgagaca 120

tccttcgatt gtaaactacta taacaatttg atattcagtt cctacacatt tatttataaa 180

tcctcaaata tgacatatat ctgaaagatt gaatgctcga catcacatgg gtcattacta 240

catcttttat ttatatcata tcc 263

<210> 11045
 <211> 260
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11045

ttcttgtgct tttcaaata ctcctacatc tcattctctag catgcatttt ctttctttac 60
 ccactcctca cgttttggttt tttagggaaa aacaccataa ctaaacgcgc cgcaagggat 120
 ccctatcgca ccagatccaa atctagaacg atgggtgatc aagaggagac gcangaacag 180
 atgaaagccg acatgtcggc tctgaaagaa caaatggcct ccatgatgga ggccatgtta 240
 ngatatgaaac agctcatgga 260

<210> 11046
 <211> 201
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11046

tcagaccana ataactcaga atctaggcat ctaaactctc tcttttttagt ggatnnnnca 60
 aggtttgaga agtgaaaatg agaatggggg aaatttggag canactttca cctcagacaa 120
 gtctatatca tcaatctaaa cttgctcaaa ctgggtntac gcctaaaatt ccaccgaatc 180
 anaatttgac tcttcaacac c 201

<210> 11047
 <211> 160
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11047

agcttctatc tcaatggact taccttgaat taattccttc gatagccctt ttgagccttg 60
 attccctttc cttgttttga agctcactac aagcctcaag tgaaaaacca tgatatcacc 120
 atatacttaa ggaattntgg agctgtggaa ttgttttggg 160

<210> 11048

<211> 267
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11048

tctcaacaag agaccagagc ctccattcag agcttncttt atctatggga caatnggcta 60
 cacagttaaa tcaacaactg tcccagaatt ntgacagatt accttctcaa tctgtccaga 120
 atccccaaaa tgtgagtgcc attacattga ggctcgagaaa gtagtgtcaa ggacctcaac 180
 cagcaacatc ttctctatcc gcaaatgaac ctgcccact tcaactctact ccagaanaag 240
 atgatgacaa aaatttaaag agtaagt 267

<210> 11049
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11049

agcttctttg ttagacctcg atcgggtcatc tttccaggcc gaggtcgacc gtcatttatt 60
 tcgatccatt tcggtgaata atattttttt gccgagatgg gctaattggt tcttgccga 120
 ataaatggga aaatgccagt ttcggccgaa acgaanagtc gggtgggctc gcacaaaaaa 180
 acctagccga cctacatttt aaatttttta tgcaacacca aaacaagaga acttctctgtg 240
 ccgtaaaaaa aaaacattac atgacagcga gcgttttgaa aaacaaaatt gcgcaacgtc 300
 ggcttgaaaa tatcaatcgg tgctttttca cgaccgatgc cggctattga gtgttcaatt 360
 caatccgtga acaaaatttg catgat 386

<210> 11050
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11050

caccgatga cgccgatcga acatttccta accgatgtca tttaaattnc gnnccaggat 60
 ngaatngaaa gctcgttatg cgacatctgt cgtgaagtac cgaccgatat ttttcagccg 120
 acattgcaca atacttttta gaaaagctcg ctggctcgata atgtcttttt acggcaaata 180

agttttcttg ttttgggtg cataaaaaagt tacaatgtac tcggctaagt tttcgtgcga 240
gtccaaccac ttttgggtcc gccagaaaac atatgccaac ctctgcaaaa aatatttgct 300
acccgctnca tgcattttgc atcaacgatt gaataaaaac tcatacccgga caccgtcgta 360
aaaatcccg c tgaaatttca cccggatgcg cattttttta aa 402

<210> 11051
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11051

ggggcaggtg gtgagcatgt acatgngctc taactctaca cgcgatcctt aagtcaccgc 60
aggctgcagc tgagtataat gtttagctcg gatgatagta tgaactccag attgccattg 120
tcagggatgt gatgggtacc ttcacttgag gtgggactat atctcattgg attgtgctaa 180
ggtgtgctgt ttgggggtgat tttgtacgat ggtaaccttg aagactatga gaagacagtc 240
atztatgaag taaaactggc tatgatatag gagtgccttg gatctttgcc cgcttataac 300
attatttgat ctttagtaag tctcgatctt atgtttacct tgagtgaagt aagaacacct 360
gtctattgat ttctttgtta atgatattta cggttatatg gac 403

<210> 11052
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11052

nnaatgctcg acgagtcagn ggctactngc annancacnn aaccnngagg catggactca 60
cggccaaagg atgaggacga ggaaggtgct nntcttaa at gatnnaaana aanntagaaa 120
aatgggggatg gttcactttt tccagagatt aaggggatct attattacaa gggcaatgag 180
ttccagttnt ggagattcct tctcaatcca gggacctagt ttaggtgatg agagtctcat 240
gtatacgccc gttttaatct ttgaccaagt taaggggggg acccttctcc agcatggaac 300
aaatgtcgcc tattttattg gtgctgatta aatgtgtttg cctccactta tccaggctct 360
ggtttttggt tggcaaactc taatgagcgc tttcatccct aaagaaaagg gttttaaac 420

tgccacccca cccttttctt tgtggtgcat cccttggg 458

<210> 11053
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 11053

agcttggctc taaatgatcc ctactcgagg gaaaccacat attaacccta gctgaggtca 60
 accactaacc ctagttgagg tcaagcaaaa atagtctagt cgagtggcta ataataacct 120
 tgattgaggt ctagctaaaa tagccttggc cgaggtcatt tgagattagt cttactcgag 180
 tcgaccgaaa ataaccttgg tcgactttgt ccaaaaatag tcctgaccga agtcaaccga 240
 aaatagttat ggtcaaggac gaccacaat aattctgggc aagctcgggc gaaaaataac 300
 tctagttgag gttgatcgaa agatgtcggc cgataattga ccctaattga gatcatactg 360
 aaattaaccc tacctgaggt cagt 384

<210> 11054
 <211> 527
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11054

ggacggatga nnccatgncg ncgttancng tancnnnctg tngannanan ntanaactnn 60
 ggcaacggcg aggtgcgann gnaagccgaa cgctgtgagc gtgagggcatg tgtatccact 120
 cnctggnta agaaangaga aaaatcccc aagaagagag atgttnccgg gtgagatttc 180
 tcnctcttat atttacttaa aagaggganc cttntatata atacaataat agtttacccc 240
 ctttttggat tcccacctgg gttcggcgcc aacgaaccaa tcggaattct ttttaaccga 300
 agttaacgga tataaccattt aaaccagatc gggggaaaat taatttatatt tttagggttaa 360
 caaaaatgac ttaataaaaat ggttttagccc gtcagaaggg ggttctaaca aggtaatgaa 420
 ttgagaataa aattctccga aaccattgt ggccaccccg ggtacttata atgattcaaa 480
 agctgggtcc aggacttacc cgtgaaaccg agaacgatag accatga 527

<210> 11055

<211> 388
 <212> DNA
 <213> Glycine max

<400> 11055

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agctgactta tctcccatgg ctaccaacga tctgattcgg atcattctct tttcttgccg 60
ataaccggct ccacaattac catcctctta gtatatgtag acgacataat tcttacaggg 120
aacagcttga cggagataca ggctataacc actctgttgg accaagagtt tcgaattaaa 180
gaccttggga acttgaagtt ctttctgggg ctggagattg ctcgaacctc taaaggaatt 240
catctatgcc agcgtaaagta tgtattagat atcttatctg aatcaggcat gttagggtgc 300
aagccgcatt caacaccaat ggattattca ataaaactac aaaagagctc gggtaaccct 360
cttccgaacg agtcttcttc ctcttattc 388
```

<210> 11056
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11056

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gatgtattca tgcantccaa cacctnhaac acnaacctng ggctctgagg actgggtcca 60
ntggctcagc atgactgcta ttgtcctctt ctnccttaggc cggaaaagaa cccatcattg 120
ggcctacggc ctttgaacct aattcctaaa actctccata ccccaaacac cttattcaat 180
ttaccaatta ggaccgaagg acttttccac aaccctaaatt cttcatattt ctacttacct 240
ttcttttgtt cacataacca caccttgtgc caaatctaga taaattcgaa tccttcatat 300
catgatcaaa ctctacgta aagttgtaag ccaccttttt tccttataac accttaagga 360
gttttcaatc tccatctctt tgatgggtgc attacacaac tgacatactc tccaccttga 420
gataaatac 429
```

<210> 11057
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11057

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gctacatttg attttctatg gttcanatth cttgttcttg atcttgttct tgaaccatga 120
attgtgttga gtataagttc ctttgagttt tgtcttgta tttattgtgg ctgaaaccta 180
aaccataaaa ttatttcaaa aacattaaat tataagaaaa cctcataaat atagagtggc 240
ttgttcacct attgtagtta tgtcatagaa gtcatgtcta gtcatgaaac ttgtcacata 300
agatatctta tattgtgctg aatcttattt ttcttgcttc tttgtctaac tcatttgttc 360
atgattgtat gaaattcttt cacctat 387

<210> 11058
<211> 476
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11058

nnttcgccag tcangcatca gcgactccgt gaananntna accnnggagg ctgtggagaa 60
gaattacatg tggtcatca tcaaatttgg agttantgtg tttgtatcca tccgtgatgt 120
ggataaccat ggcttcagaa ttattacaga attgtcaca ccatatacgc gtgggttcaa 180
gattattcca agatggatgg ctccacacta taccatggct tcaaaattat tccagaatgg 240
cttcaccaat taaagccttc cttcangatt acctcaaatt tcaagccttg cttanaaca 300
aagtgtttc agaacttgca aggctttgat aatcaataac ctggcagtgt aatcgattac 360
cagaagatag ggtggaaaaa ttgctgtcga aaggggtttt gaatttgaat tttcacatga 420
accgtttaca tatgtcggta tcgataccac atcgaacctc ctgaattcaa atcaan 476

<210> 11059
<211> 329
<212> DNA
<213> Glycine max
<400> 11059

tgatgcaaa agtttattat gactatgggt atgatgacta caaatgatac acaagtctca 60
agagaatcct gcgtccata tgccctgttg aggaaggga caataaatct gcacccttgg 120
atthtcaaac cccaaaaaga tttggcaatc actacttcat aaacattctt gaagggaaag 180
acttgtagg ttctgacaat gttcttatta gccatgactt acttggaag attacagagc 240

aggtgtggga ttatgcctct aatgaaaaaa tcttgtctgc ttcatttgct aaatctatga 300
ttaggatggg aaacatcaat gttcttact 329

<210> 11060
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11060

tgggatganc tttttganna cngcactcgt agaaccacag cgcntagggtg tataatcaat 60
agcctcatta ggagagagcg caatattgtc caattgggtt ttaaaaaanaa aggaggagga 120
gaattggtcc tggaccacca aataaccac attagggtctt ccagataacc acccgccagg 180
aatntaacag aatttacctt agaatacggg gcattagaac taaaaaaaaat ntttggggaa 240
atgctagaaa aacactttga gaccttcttt aaggataata ctcatcttga tcttgaaatg 300
tgaagcagga caaattaatc tgaaaaagaa aaatcaattt agccctatgg acaaaagggt 360
gcagatgggc ttgccttaat tgggaatcat ttgaatggca aaatcaattt gcctgcctat 420
cttgagggac agtttaacct tcttaccccc taattgtg 458

<210> 11061
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11061

gttccaatta caggacgtga ccgtggcaga gagaactgtg aaggcatggg aatacaataa 60
gcgatgcgac tgggatatgg gaacaccacc catacaatac aacacagata tccgttcaca 120
ttacacaggc accacttagc agactctgct gcattgatgc gaggggaggc ttgattgagc 180
ttcgtttttc ctttccttac cgccatatta cgttgagaat ggcattgccg gtattctccg 240
atgccaacta cctaaggatg tegaccatgc tcgccgaatc tcttcgcact cgtcgctaac 300
aagaactgcg ctctctcat gctctgatta gcagtacttc atcatcttcc tctctctcac 360
tctgtatata ttagtttnc tcttcaatta aacgattgac t 401

<210> 11062
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11062

ggagacatat cgagcattgc acnnnnnnan aaatnnaccc gcaaccngnc acgcggacnc 60
 ccnaggaaga gagaggagac atttacctac tngancnann nnnccncagc ccacgggaca 120
 ggccagaaca gacaacancc cccacccgga aacacccgga aancccccac ccctaccaaa 180
 gacggagacc ggcacatgga catacacaag ggcccacgat aaaacgcaca cactgccaaa 240
 gataaaacac aggcacctgc cagccccgca ggaccaata ctagataacc ggagaatgca 300
 cagaccaacc tagcgaaata tgccagataa cagactttgc caggcacgac aaacagatgg 360
 gaagaatgga atagtgtatc aagacaaagg caaacacaga cgcctcgcgc ccaccccgga 420
 ccaaagccaa cagacgcagc gcccgcgga ccacacaaac gaagggccga caaacaccaa 480
 caagcacc 489

<210> 11063
 <211> 686
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11063

agcnnannaa gggttgcgac tgatgccatg acagcnatcg cacactccan nggacgaatt 60
 cgagcctcgg taccocggng gaatcctnnc tagagtcgac tegtgcaggg cgatgccata 120
 tgctntactt atcagngana cncnctatc tntcnatga gtgctatnga cgcagtnttn 180
 nttcttgga cccagctntg nngtcttccc cgtngtntng tntngtnntc ntngtnntc 240
 ttnnntatca ntgtnnntct acacctnntc tcccttttat cctntcacan acntnntctt 300
 nntctggta ttatnncaca gtcatttccc ttttttcana catgtcatta tcttcacgtg 360
 tatcaccagt gctattcacc ttctgtcaga catctctgtt cgtaccctt ttacttgcgt 420
 gctagtcccc tattatcana ccatatcttt tcatcacact gatcttgncg tcttattccc 480
 ctctattcaa ctgtcattgt aatcaccttg tacacccgt ctatcacctt gtncanacgt 540
 tctatgtctc ccctgnttca cgcgctatcn ncttttcgtc tttaccnncg tacaacgggt 600

cacgcttatac atgcctcctg tattcacaat tcccttcatt tctttccctt ttggtagtat 660
 tttacttctt tcacttatca tttgcn 686

<210> 11064
 <211> 167
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11064

tcaagctgtg atattatctt agaatgtggg ctttaagaccc tacttcaact ctccanaacc 60
 aactngtaag gggaggattg tctaagctnt ataagttcta tttaagtcac atctctaggt 120
 ggtgtgagac taaacatgcc cccttaagac tacaattaaa gcaaccc 167

<210> 11065
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11065

tgcttctttg aganaacttc cttgagaagc tagagtttag ctacgcacac ccatctaaaa 60
 actaagctca cctccttgag aagcttcctt gagaagctag agcttagcta cacacaccca 120
 tctaaaaact aagctcacct ccttgagaag cttccttgag aagctagagg ttagctaccc 180
 acccctataa tagctaagct caaccccatg acaaacaac atgataatac agagaaaaaa 240
 tcctactaca aagactactc aaaatgcctt gaattacaag gctaaaaccc tatactacta 300
 gaatggccaa aatcaaggcc caaaagaaga aacaacctat tctactatta caaagatgag 360
 tgaccecaacc ttggccatgg gctaaaaatc tacccta 397

<210> 11066
 <211> 158
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11066

ngagatgagg aagtgtngaa ggggtgaaact tcctgcttnn acttttgacc tcttagtggn 60

accnggagat atgncgcggg ggtcatgaga ccttgnggac ctcaggtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaacca acccgggc 158

<210> 11067
 <211> 141
 <212> DNA
 <213> Glycine max

<400> 11067

tgattgctta gatattgtgt gtttgccctc ccctggctgt gtctgcctat atgaatataa 60
 tccaagtcta taaagctaata aactctctat ctatcctcct taatcatgtt aatactcttc 120
 aggagctaaa gagagagaga g 141

<210> 11068
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 11068

atacaaactc atgggtgggg ggtaacttta atagatagcc aatgaaccct tattgaatgc 60
 cctcacctaa aaagtgggtt aattggtaga aatacaatgc ataatttaag tggcggttaa 120
 aaaaatataa gtggggcaga gcattggata aggaggccag acattttttt cagggttcat 180
 aattcttttt ttcaaaattg aaaggaatac aatttggggt gacatgactt ttagacacac 240
 ttgctccgcc ttataacaac caaaattgtg attaataaca tcttatttga tcgttataat 300
 actcattatg gattgg 316

<210> 11069
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11069

agcttctata taagggtcgt tctaataatc tctacaattt catcacctct caatgagcta 60
 gtgaagaaga atgtgacatt tacctgcggt gaaaaacaag agcaagcctt tgctctgctc 120
 anagaaaagc ttactaaggc acctgttcta actcttcctg acttttctaa aacttttgag 180
 ctaaaatgtg atgcttctgg agtgtgagtt ggagctgttt tggtgcaagg tgggcaccct 240

attgcttatt ctagtataa acttcatggt gcgaccctta actacccac ctatgataaa 300
gaagcttatg ccttaataag agcactccga acttggaac attacctgt t 351

<210> 11070
<211> 283
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11070

tnntggtng tattggatga tgctagtta agaataatgg ggcttgtgtg tgaatnnata 60
tnnngaaggg ttcaatgatt gacttatact atgtattgct ttattacttt aattgtatca 120
tgtatgctag tgaataacan attgacaata ggaacacaaa ctattaagtt gtagcgctag 180
tttgatgtcc ctgccttctt tcattaacca atgtctagtt ttgctaaaag tttctcctac 240
ttcagtgttt gaagccctta aaattattct ttcattagaa tcc 283

<210> 11071
<211> 348
<212> DNA
<213> Glycine max

<400> 11071

agcttcactt cacagtatga cagtcacaca gaaacagttt atttggtttt ttaagaaaa 60
taatatttta taccattaa ttattgatct aggagggtgca caaattacag cggcttcgtt 120
cttcttatat gattgttttag ctgtctgaac tttctctttt atcatttcgg tgacaaaagt 180
gtagaactac taacactggt gttgagataa tgattcttag cacctgctag tgccactatt 240
taatagtaga caaactgtta ttcactgttc ttatatagac aagaagaaaa tatatttgtg 300
tcacataaaa atgaaataat tggttacaat atgcataata tcttaaca 348

<210> 11072
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11072

gcgtctgttc attttcttta tnntgcacac atgaaaccaa ccggagatct gcaggcatg 60

aannangcna anaataaaan nnnagcnaaa nnnngngna agatagagag aagaccacgc 120
cannacagng aaccngngaa aaaaaacncc ggggggcann accaaccaac acccggcggn 180
cccaagcnga acgaccgaca agnggaacca aacagcaggg caccgcagca aacacaacgc 240
ccacaacaaa aaccagnaaa cgcggggccc gaacaaagac gaaagcacac gcnngcaggg 300
accccgncag acagaccgcg ccggagacaa agaggggaaac aagggcagga aaaaacacaa 360

<210> 11073
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11073

agaagattcc tagagaagct agagcttagc tacacacacc tctctaatag ctaagctcac 60
ctccttgaga tgagaaacta gagcttagct acacaccctt tataatagct aagttcaccc 120
ccatgccaaa atacatgana atataaaaaa aagggtcccta ctacaaagac tactcagaat 180
gccttgaaat acaaggctaa naccctatac tactagagtg gtcaaaatac aagggtccaaa 240
agaaggaaaa acctattcta atatttacaa agaagagtg acccaacctt ggcccatggg 300
cttagaaatc taccctg 317

<210> 11074
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11074

aagcactcga tgcagtgcta atgaanacac naacctaaac ataagtcata ncccaaaata 60
tggcncaaaa gggttttttt ttttttttaa nnaanaacaa gggacaggtc atttgggacc 120
atctaaaatc ttttaatntt ttttaaagtaa accaaaggac aattcttcaa agggaaccaa 180
agaaacttaa aaaattattc ctttttggaa taattaattt aaaaataata ttatttttaa 240
aaccttaaaa aaaatccggt aatttaaacc tgaaccaa at accacatggc actggattnt 300
tcccaaaggt aaccaacca agcttatgat tntcattgaa aaaccaa atc gtgaaaacca 360
atgcgtgaac aactatatat nttattttaa tataaaagac cggaatcttg ggtttttttt 420

tccttttaat ataattggga aaaaagttaa atacctgttt nttagcagcn

470

<210> 11075
<211> 377
<212> DNA
<213> Glycine max

<400> 11075

agcttagttt tacttattta caaacaaggc cgtgcttcaa gcatgttcta ctcaaccgtc 60
aatactaata agacaatcaa gacttaaaat tggctatatg tgcataatga tggattatag 120
ctcacgtgat aatacacgat ctagcttcat ttgctgatga taatatatga tttcatataa 180
tttacaacct atgacttaaa tgaagcagct gatgattcta ctttatgggt gcccttcata 240
ctaccggaat gaacttagaa tactaataat ttgatctgca aaactaatta atatgggata 300
gttagaaggg acagagtcgg ccattgattt gctgttgatg cataatgggt cacaaattgc 360
tgcatgcctg cctgtac 377

<210> 11076
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11076

gtgtgaacta gacctcgann ncgtgaaaat anactnnnca ccgctcctac ancaatggaa 60
gaaaggacca gttttgactt tttgacagna angacancct ggggaacggt caaccaatgg 120
taattccctt ttgacctata tattacagac ctcaatatgt atcccatgag atagcctcaa 180
gaatttacct gctgacaata tttaaaaacc aacatgaacc agtctacctt aacaaattat 240
cagtgcgttt caatattaaa tattctaact tatgaacctt tgctatctgt acatttaata 300
gctgcgtttt aaaacctgcc gataataatt tgcactgcga tgctggctta ggaaaacaca 360
tgggtgtata ggtcacatcc ccaaacgcta ggatccattt ggttactaac cacg 414

<210> 11077
<211> 385
<212> DNA
<213> Glycine max

cttaaaaatg aagacagcat gtngtggagg cctctggt

398

<210> 11080
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11080

ggggnnnnng ggtgtaagct tgctatgcta cncnntnaaa nnaacccggg gcaangaccc 60
ggcggagcaa agaggggggc aattaatttt taaaaggagg ccaccacggg gatcattaaa 120
aaaggaggtg acctaaggag ttaccataac atccggttcc acagaaaccg gtggttaacc 180
tactaaggta ccatcggttt tccaanaacc ggggggtccca attaaggtaa cttccgtttt 240
tcaaaaccga tgtaaggaaa ctaataacat cggttctttaa taccgatgtt acaactccct 300
ttataccatt tgcaccggtg accttacaca atttctcaac tgatttaagg acatgtaa 360
gaacggtgga ccacttgagg agggggcctc ctgacaaatt ggatgcttct cagaggctgt 420
cgtc 424

<210> 11081
<211> 324
<212> DNA
<213> Glycine max

<400> 11081

agcttggtta tgatgcttca atggaggaaa agaaagaggg agagaaagag agagggggga 60
gcaccaaaga aaggcctttc attggaagtg tgttgggggg taggattgca tcagctgcgc 120
acatcacata tgaaaacttg ttttttttgc gttgtgacta ttcattgacc tgttccgcat 180
cacgcatcga cctcacacag attattaaga tctacattaa tgcggtgtct gtgcatgtta 240
atgaacagtg tgtagttgca catattgcaa atgtagcct ggttttttgt gtcattgacta 300
ttcaaggcat tgttccgcat catg 324

<210> 11082
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 11082

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ggggataaca tgcaatcgac nncngaaann naacctnnna gcgtagccnc tagcagaagg 60
cgtggcggaag cactcattat cttattgnct ntgaaatgaa agacaaagac atggaatctt 120
taaaatggga ctgagacatg gaatctttga aaagaaaaag actgagcgat tgaatctttg 180
aaaagtaaaa ggtaaagaca tggaagcttt aaatgtaaag gctgaaacat ggaacctttg 240
aaatgtaaag atgaaacata aagcttttaa tgcaaagacg gaacttgaag ctttgaaatg 300
tgacaagaca tgaatcttga aatgtaagac taagacttga gctttggaag aaagacgaaa 360
aatggagctt taaatttact aatggacatg ctgaagaatc aacctcacca taaaccct 419

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<210> 11083
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 11083

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tgctttttgt ttcaattacg agcgtctcga tgtactacgc gacacaatcg aacatccgag 60
taaaaattta ttgtcgtttg aattagctca gagcttctgt tttcaatttc gagcttctcg 120
atattttacg ggactcaatt gggatttga gataagagtt attgtcgtat gcatttgcta 180
cgagcttcta ttttcaatac ccagcgtctc gatatcctgt aagactcaat cggacatccg 240
tgtacaagta cttatgggat gaatttcaa cgaactgctc gtttcgatta cta 293

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<210> 11084
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11084

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ngggatggac tangaccttc nannnctgn aanatagact cncaagcttg ccgccacgga 60
gnnnaccgag tatgcggcga gtgatgntgg aataaggctn caananggan aagaccaaga 120
aattgatgag ccaatgggnt gatccatgga ccggagatga aaaaagatca tgatgaaacc 180
ggattgtgcc cgcttagtaa ctcaaaggga cttgaatttc aagctccaaa aactaactca 240
atgcaacaag gaggttgaag aggtatttca aggaaatgga tgtgctcatg attcatgcaa 300

```


atattgaaga agatgaggag gtcactatgg ctcgatntct taatggtttg actaatgata 360
 tccgtgatat tgttgagctg caagagtttg ttgacatgga tgatcttggt tcacaaagca 420
 atccatgtgg agcgacaatt aaaaatggat ggagtggtta agaagagttt aaccactgta 480
 ggtcttctag ttggaaagac cacggg 506

<210> 11085
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 11085

tttctttggt tctagaaaa accatgattt gttggaagcc taaccaatt acaagcctag 60
 aaagtccttc ggattcatta tgtgtgttca ttgctgtatg atatgggatg aaatgcaaag 120
 gttgggactt gtgttagttg tttatgatga aatgagccta aacaatttaa cttgagtga 180
 acattgacta tgaggttgtg gttgatgatt ctcccttgat atatgccatc cttactagct 240
 tattcagttg agactctaata gtgtatgttc ttatctttcg aaagctgctt gtatgtgaaa 300
 atcaattgat tgatgcagtt catgatattc aggtcatatg gttgaatttc tctgtgatgc 360
 aacaccattt ttgattg 377

<210> 11086
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11086

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 ngnggggatg gcacagngac taacactcaa tcgtattaca gacagataaa caatctagca 120
 cgtactcttt tctctcaaaa aattcaagga ttttgagagc tatttttaaaa cttcaaaaaa 180
 tttacattaa gtgattctta canaaaaaga atntgaatga gtgctntagt tggttcttca 240
 tgtcttcaac aagtgttcaa tgtctctaaa tggatagatt tctcctctta agctcgtgtt 300
 tggaaaatgt ggtcattgng catttaatgc ttgattgcta ccatgtactt ctatcaaaac 360
 cactattctt tgctaacatg tcgaacactt caacaagaaa tcactttctt ttgtgtogag 420
 ccatgttggt aatagaacc 439

<210> 11087
 <211> 179
 <212> DNA
 <213> Glycine max

<400> 11087

tttcttcttt tgagccgaac cacgaggctg gggtcattcta cgccttgccc ggcctcttat 60
 gagaacctct cactatgtaa caatgacgag gagcttaatc tgcctacagg gctggctgcc 120
 tgcttgacta gtataaatga aactaacacc gacttgactt gcttcatgcg cctatgtgt 179

<210> 11088
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11088

gcnnnnnggg tagtgtatca cacttaaata cccgctgaac cgggcaaccg agggggattc 60
 attcnttanc ccnnggggtt tggggaaact actacaatcg cctttaagat cacacaacct 120
 gaaggctaaa cagaccctgc accgttattc ataaggccct acatggtgag ctactaccgg 180
 cgacatgaca taggacgtaa gaatggctct aggcacgcta catccctagt ggaaacaaaa 240
 tgttcccctc aattaagagc caactcatgg ccctatcaaa gtttgtttcc ccatataac 299

<210> 11089
 <211> 125
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11089

cgaaccggg atcctctcga ncgagcggag gcgtgctatc tncgttggtg gcatgtccat 60
 tccgatcttt gattatcgga tagtctatca aacagacgga ctcttgggaac actgcgtata 120
 aatga 125

<210> 11090
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11090

ggcgcacatcga gcacgcacatnc ngaancaaaa ccggagctgg gcccgagagac tcgggggagcg 60
 ggcgaaatgtc atttttcccc nncngcccgg agggggcgagc gaagccccca cgctgaaggg 120
 ccaaaagaac cccggggccc gccagctcag aacaacagcc ccggaacgag gaacagaaaa 180
 acaccgcaac accaccacc gcctggcatg acgccgcctg ccaacacaca aaaaccaggc 240
 agagcgaaga caaaaccgc aatccgactc ccgcacagaa agacaccac gatccacgaa 300
 gaggcggcga ggaagcccag cccccgggaa aaagaccac cccgaaacc cccgacgcac 360
 agaaaaacc 369

<210> 11091
 <211> 304
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11091

atctttgcgt taataagact ttgttttctc acaacaagag atggttgga aatgctctaa 60
 caccatgcc tgtaaaacat agaaactatt ctagcatca tataatatta acaaagagac 120
 aattaagtat aaaaataat tcttaccatg agtagtgtca tataacctac catatgcttg 180
 ttgatataata ggctcacata tgacaattga tcataaagaa atgtcagtg aactactccc 240
 caggcgact acttgcagtg acttagatca ctgangtatt gcacgtagca tatgtgtaca 300
 tgca 304

<210> 11092
 <211> 495
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11092

ggggnnnnnn ngggggtcgg acaaacgagn atgatccanc tgcannnacc cangnacacn 60
 caagcttnca ccganggana aaaaggagg agcgcagnga tgaaatttag anctngccgg 120
 accnccnagg gaggtgcacg ggctacaact gccacacacc gacacggcca aaggccgaag 180

aggacgacaa cggcgcgatat actgtcaacg cataactcaca gggtgacatg gtagcagctt 240
 cccacggctc acagtgcacag cacatgtttc aatacacgaa gcaaaagatc tgggctcgctt 300
 aggttctacg cacatgaaac tcattagccc ttccccatca cagacaatg acatacacgt 360
 aacgggctcg ggcacacacg tatactacga aagccatgga gaagcctgcc ccataatcaa 420
 ccggacacac cccgttaact atgaaggcta agaccgcgta aggaccacc aaaggaggggc 480
 aaccaacaac attgg 495

<210> 11093
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11093

agcttggata gaaggggtgac catgagagcg tttggagctg aattaatcct cactgatcca 60
 gccaaaggaa tgggaggaac agtatagaag gcttatgaac tnttggaana cacaccaa 120
 gctcacatgc tgcaacaatt ttcaaaccct gccataactc aagttacctg aacctaaatt 180
 actattgctg tttgaaatct cctaccaaga cagaaaaatc agtagaacta ggctngtatt 240
 atgcttgtgt gatgcttcat tgtacttaaa gttaatacta gaatatatgt ctaacataga 300
 tgcttggctg tacaatggcg catttattta ttaaatga 338

<210> 11094
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11094

gctattatag ccttgaatag ggatactatt cgtngtgctc ttgtgtcngg aagaccaggc 60
 agagccgaaa cttacactcc aatcaaaccct caaacgttac tggacttgat atccttctat 120
 gattcatgta tatgggtgcac caattaagcc acattatctt atcagggtga tcatggcttc 180
 ctagtaatcc aatcatatct tttatatcag aataattaat atttagtcaa aataaattaa 240
 tataaataat gaaacttttt gttcaaacat gcagtctcat attcagaaat ctaatttagg 300
 aattataatt aacctaaata attttatact tatccacctg ca 342

<210> 11095
 <211> 96
 <212> DNA
 <213> Glycine max

<400> 11095

agcttcacta tcaagagagt gacttggata agaagcttaa agaggaagct tcaatggagg 60
 aagagaatac cagagagaga gggggaggat gggggg 96

<210> 11096
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11096

tcttatccaa gtcactctct nnggggtggt gettctcctt ccatgactna tnccttaggg 60
 gatgacgtct ctctacctct ttcttatctt cctgcatcca tgctaaaata catgaagact 120
 atgaactcaa actacctcta aactctaaca cttcacatgg ataaccaaac tcagagctct 180
 aactcctatt tacttctctc tcatgtgtct cgtcttctga ctctctgctg gcgagtgtac 240
 tattttaaatac acatactggt gaactattat tttgtaatct gctgtctact atgg 294

<210> 11097
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11097

agcttaattg cactattcaa tggagttgac aagaacattt tcagactgat caacacttgc 60
 acagtggcca aagatgcatg ggagatcctg anaatcactc atgaaggacc tccaagtgaa 120
 gatntccaga ttggcaactc ttggctacaa aattcgaaaa tctgaagatg aaggaggaag 180
 agagtattca tgacttccac atgaacattc ttgaaattgc caatgcttgc actgccttgn 240
 gagagaggat aacagatgan aagctggtga gaaagatcct cagatccttg cctaagagat 300
 ttgacatgaa agtcactgca atagaggagg cccacgacat ttgcaacatg agagtggatg 360
 aactcattgg ttcccttcan acctttgagc taggactctc ggatg 405

<210> 11098
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11098

acatgctgat ncatgaanac caacctgatac actatgatta cctattcctg ggatttttatt 60
 tgtagaagg aatccaaaaa acgccatagt ttttttttatt accaaaagat ttgaaaataa 120
 tataattgcc ctttttggtt aagtggtttg cttaccaacg gcgaattatt taaaaaataa 180
 aaagtccatc caaagatggg aattattatt ttattagcaa aaagctaatt atactaccag 240
 caaagggctg gaagattaat aaataagctt caacaatggg acccaggtct taataataaa 300
 gtgattcgaa ctccgttaaa cagacacaaa caagg 335

<210> 11099
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 11099

ctcccccttg gagcatcaaa gagccaatac tgcgtggcaa ccaacacaag atgatataac 60
 taaagtgtac ataatacaatc ataagtcaca accaaatata agccaatcat acataagtga 120
 aaaccaaata taatccaagc ataagtaagg catagcctaa tctaattcaa gcataaaaga 180
 ctaagtgtca attatcaaaa gataatgaaa ggtgagaaaa tgataacgca aaaagcataa 240
 ccatatacac ggcttataat aaaagactat aacatcctaa aaactaagac ggtggtggaa 300
 ggtcatagcc ccgacgaaga taagtacat actcttcaag ctgggtgatg cgggtatcca 360
 tgccttcaaa gcaccatc 378

<210> 11100
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11100

gttttttttt atcttacnnt tgaaaatnga cagaaccggg gccacaanng ggggttacga 60

gaggagtttc attatttcnc acagcacggg acggggggacc agaggccaac acaggcacaa 120
aaaggngacn gaaaaacgaa anggcnaaaa gancnacaaa acaccaagag gggaacccca 180
aaaagcaaaa ccngnaagcc ccaaaaagaaa nccaggccaa gcaaaggcag acaaaaagga 240
agcaacgagg cccaaacgca aaacaacgcc agcaggaaaa aacaaccccc ccgcgcaaac 300
ccgaagaaga aaagaccgag ggcgccgggg aaaaaaacgg aaacaaagga aaggggcccca 360
cggggccacc gcgaaaagaa ncacagaagg ggacccccac cggggggggg gg 412

<210> 11101
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11101

agcttagtgt atgcattgct gggatcatct tctactatag agagtggcca taggctccga 60
tgctaggaca cctactagct cgcagagcta ccgttaaaga gggaagagct gataccnctg 120
angatagtga agagggtgcac gtcttgaatg cggaactcaa aagaacccaa ctggtcaaag 180
agaagttcaa gactacgacc atcaatgtcc tgaaagagtg tgacaagctg aaggacatta 240
tcatggccac agctgaagca ttataacagg ttgaaggat gatattacag ga 292

<210> 11102
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11102

gagcgatatc tactggcagt ncaaccnncn tngagcacan aagccgaggg gcatgnacca 60
ncaggggcta ggccgacggn cgaggagatc caactctgnc cggccaanaa nnagggggag 120
ggtagggaga gcaaccaccc cccncaaagg gcggcnagca gggaacaaaa ccccgaagg 180
acaaagaggc gccaaggaac cacaccccg gacgaagaaa aanccaacca cgcgggggaa 240
gcaaaagccg caagagaccg ggaaaacaaa cagggcaagc cgcccgggga gcaggcgggg 300
agagaacaaa caaggggggg ggggagaaaa ggcaaggang ggggaacacn acagaaccag 360
acggggcacg ggggcaaaaa cgagaaaaac ccaccaagag agaacggcac gcgagcaaag 420

aaggag

426

<210> 11103
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11103

agcttgtgtt cccattatat gcagcaataa ccaaactata agctatcctt tctacattga 60
agggatacaa gaaccctttt gtgggtactc ctagttgtgg cctatcttgt ggcaatgatg 120
gcttccatt tctcaacatg tctaatacca aatacatgat ccaccagata ttctacaaca 180
actcactacg tgagtccaat gctgtgtttt caagatcaaa cactangagt tgttttcctc 240
gtacaccgaa cctcactctt tcagatacga gattggctct tgctcccaac caaagggagc 300
tattcttgtt gttcggatgt gacctgcatg aacggttgaa gagcacataa ttgggtgttt 360
gaagagaaca aaccggttct gtgtggcatg aatgggaaa 399

<210> 11104
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11104

ggggnnnnnn nggtgtctta ttgttactta nanctntaan aataaacacg ggggcctngc 60
tggagtngng gacccgaaga ggacgagggg ttttttgctc acnnggncga acccaaaaag 120
gcggggggga aggcacaacc aanccaaacc ccccgggggc caagnngggn aaangnccac 180
gccgggacna ggaacaaccc aagggggcac aaagagaaca ggcnnccgaa gacanggcnn 240
acaagaacca aaccaaccan ngaangcccc caaaaccagg gagccnnacg gccacaaca 300
aacngggggg naaaaaaaga gngaaccaga aaaaccaacc accccagcca ggaaanncca 360
aagaaaacac cccaacccaa agaaaaaagg ggggacangg ccccggaac aggggacggc 420
ggggnaaccc ccg 433

<210> 11105
<211> 366
<212> DNA

<213> Glycine max

<400> 11105

agcttctcct ccattttctt ataaataggg ggataggtga agagaaattt cgttcagccc 60
tcctggtaat tcagaatcac ttaaaattag tgaaaaaat cggttccgtg aagaaaatcc 120
gagctgagge gcttccgtaa cgtttccgta acgtttccgt ggggtgatttc gcgaaggttt 180
tcgaccgttc ttcgacgttc ttcacgtac ttggggcttc aaccggtaag ttccctaaat 240
caaaccttttc aattcattct atgtaccctt agtggctctc atttgcggtt acgtgccttc 300
atttacattt catgtacttt ccgtaccccc ttttgacgtg ctttagtcat ctgcttaagt 360
tatttt 366

<210> 11106

<211> 337

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11106

ttctatcaga atcacacgga acaaaccgca gcagacacgc gcacaangca acgtatacat 60
ccnggcacca acacgggata agcggagcaa agaccagca gggcccctga gacaacgaac 120
aggagtacac acaacgggag cagcccaagc aaaaacaaac aaaagaccag taagcaaaga 180
acataccaca tggaagcac gcaccatcag taaaatcaaa gcaaaaccaa atgaacatgc 240
agccccaggc aaaaggccaa agagccaaca ctgcacaaac caacaggaac gacaccaaac 300
taaccaaccc caaaaaacaa ggaactatct cagcggga 337

<210> 11107

<211> 214

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11107

ttctttgttt gtctagtgat tctagagaga gaaaggtcca agttccaaag agtttttgag 60
agattntgct gtgtgaagat ctgcagagac cagagcttga agtggaagtt gttctgagag 120
cttgagatga gtttgtgagt gggtgtgaga tcctataggt gaaggagacg tctcaccac 180

tcgtatcttt gcaatatttc atctaggtct tctc

214

<210> 11108

<211> 471

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11108

gagtttagcat gcgatcnatn nccgaaaatn gacaagancc ctnacatng aagatngaga 60
cactcatgag agancctgcc natttcntta tcacnaccca nccatnccca acctgggata 120
natgtgaagt tgtgcatggc taacaagaat gcaactattga tgacaagtta ggtacaacca 180
tggatgattt caactttggt gggcagaaaa taattcttac agtcaatata ccacaatttc 240
aatcaaagac aaagcttcan gaaagtcagg gatgtatagg ctttcaacca tgcaaaatca 300
caggcctaga cgagagaaaa gaaaacctac tctttaagag accatgctct catatatggc 360
ccaatatgat cagagaatga agctggngga gtctccactc acccacttac atttcctttg 420
cacaaaaaca gacaacaacc tctttacaac tgaacaaatc ataaggaaga g 471

<210> 11109

<211> 366

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11109

agcttttatt ttatccteta acgtcatgct ttccatcctt gattcatccc tgccggccct 60
tctaactcttg agctcgttac tgctacccca cagagccctt cggaacttgt tcttgcttca 120
ttctttcttt cggacccttt ttgtttcccg ctctatcgct tcaattgtgg ttaggttgat 180
atctttcagc ttatcacact ctttctgac cctagtgact gtcgtcttca acttctcttt 240
caccttcgag ctctgccttc aaagcctgca ctttttact ttcctcanga atttcagcct 300
ctttctact taaactttnt aagcttggga gccaaagtat cccttggtgt ctagacttca 360
accact 366

<210> 11110

<211> 478

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11110

gattgtcatt gnggttagta tnnntgncac acnatagaac acncaagccg ggcaaagann 60
ggangnagcg agtaggaagc gaatcttnan aattcaatgt tcancnnnnn aanncnnacn 120
ggngnecgta tctatgctta aatgcaaaca cgtttntagt taataaaaaa tcttaaatcc 180
tttcgtacta tacatttatg tgaatattaa aagagagtgc tatatatatt aacataacaa 240
attatttata atcatgtaat acttttataa aaattgcata acctttaaga attagtttta 300
aatctcttta tcattttaat ccctcgccta attcaactgt ttaaataatt tgatataagc 360
tttcctaagt atatggctct ctataatata aaactttaaa aattgatata tattttacca 420
ccatatccct tttaaattag aaaatccttt aaaggtttct attaataaat ttaggtga 478

<210> 11111

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11111

ttcttctctc ctattnnngct ataaataggg gaagaagtga agaagaaaag ggttcagccc 60
cttaggcact tctctctctc tcgaaattgc tgaggaaaat tatttccgtg aagaaaatcc 120
aagccgaagc gcttccgcta cgtttccgtg aggaattacg cgaagattct cgtccgttct 180
tcaagattca tcgctcgttc ttcgtattct ttagttctca acgggtaagt acctcaaacc 240
aagcttttca attcattcta tgtacccgtg gtgggtccaca ttttgttcca tgtattttta 300
tacttgtgtt catttatatt ttataccccc ttttgacgtg ctttaagccat ttatttacga 360
cattactcgg cctatctaaa aataaatata t 391

<210> 11112

<211> 469

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11112

nggtggtcag ttcattgcatt tccacnccg tgaacnatag aacacgcaag cttatcctta 60

tggctggccg cgggaggaca cgccccgttc cccctcaaag ancnaagcca agccgcgacn 120
 nttgagggggc aacacccgcc ccacgacgac nancccggaac aagacgaagg ggaaggagan 180
 acccancnng gcccccggn ccacccana gaaccgnccc cccangaacc acccccaccg 240
 aacaaagncn gccanancn aacccacccc acgacccgaa aagaaacngn cccccccgg 300
 aagaaaaagg aagaangagg cgcncgaaga aaggaaagac canccagggc cccgacaaca 360
 ccccnngga anaacagaan aaggcccgga cccaaacggc aaccccccaa ggccaagaac 420
 ggccaggaca aaccaaggga cacaggccaa gggcaccng gaggaagcg 469

<210> 11113
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 11113
 tatgcttcca ttagaaggcg catggagtcg ccaccaacgt ttattctagg aaaacgtcat 60
 acaaactgga acgtgtgggc tacgaacttt aatcatgaaa ggtttgggag ttgttcttac 120
 gcatggggaa agtatcaaca cccacacgt ctgtcacaag ggacgacaac cttcaatcaa 180
 gtgtgcaagt atgacttcaa aactacgtat tttccctttt tttatgtttt cttgctttat 240
 atgggccttc tttgtattat tcattctttt gtggtcgaca caagtgtgtg ctcactact 300
 acgtatcctc tattgtgatg aggaaatcga acctacgttc gtctttcaga act 353

<210> 11114
 <211> 186
 <212> DNA
 <213> Glycine max

<400> 11114
 ctagctacat acatccctct aatagctaag ctacttctc ttgattgagt atctagaact 60
 tagctacaca cccctataa tagctaagct ccccccatg tcaaaatata tgaaaatata 120
 aaaaagtccc tactacaaag actactcaaa atgccctgaa atataaggct aaaaccctat 180
 attact 186

<210> 11115
 <211> 401

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11115

atcactccta catctctagc atgcattgta tgtcgggtctc gtcctttgac acgggaagcc 60
ggaagggtcca tataccttc ttaattgtac acatggggca ctgcgcccc aaatgcgcga 120
gtcagaagag ataattntcc gggctctcgt gtccgtaaaa tgcattcata tcatgcatcg 180
cataagcatc ttttcataac atcataatgg acatatcctg cttttgtccg ttatcatatt 240
ccagcctcac attttgcattg agtcatggca tcatcatgca tatgcgtaca acanactatg 300
tgatctacaa aatagcatac catatgtttt catgtttgct catccttgcg ttttcctcta 360
cgaaacanaa acaaagaagg tggaagcgtg aaacttcaca c 401

<210> 11116
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11116

gcggggttatg anccnttgnt tagcgactac tgnanaacnn nnaacacnca accnngcggc 60
nnnnnnnccc aggaagagca aggaggcttc ttccattttc acttcnncn ggagggccca 120
agtgggectg gttgctatct gcaccacct ctttactaaa tgtaccgccc cttctattat 180
tctgtaatac tttatccgta acgttacgaa actttgtgat ttccataacg atagttatct 240
tcgtaccgca aggtacgaat cctaaccgat atgtatttac tcttttttagc tttcgataag 300
tacgaaactc acgatgcgca taacaccttt tcgactcgcc catacgggaat tcacgatcgc 360
caacctgtgc tttgattctg gacgtctgga ctcatattgt gcatcaaggc gccaaagattt 420
caagcgctaa ccaaggtggg gtcttaagta gattcccgcc caan 464

<210> 11117
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11117

agcttagtta tcacgagatc ataaatncca aaacataggg ggagtatgga atgagtgaat 60
gttctatctt gcatatattc aatcttgtat ctcgatttca ggaattaaat tgtcatcatc 120
aaaaaggggg agattgtata tacaaaagact ntgatgtttt aatgatgcta aaggatcatg 180
cgcttctcaa gtttaattca agaagatcat acgcttctca aggttaattc aagacaagaa 240
tccaagacat tcacgatata tgatcaagat aatctctaga gacttacgaa gggaattcca 300
agttgaaaca acaagagggt cggccaaaga atatgagtta aaatgtcttt acaagagatt 360
tactctctgg taatcgatta ccagagaatg t 391

<210> 11118
<211> 149
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11118

atggcctggt tacgcctgga acatgggtat atagcatgct cttagcacga ngaggcgaga 60
gatcccgggc gttcttacac tcgatgctcc ttgaggagac ttctaatagca cgctccttgc 120
agtggaacgg catagtagga taactgcac 149

<210> 11119
<211> 158
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11119

tctagccaaa tggacttacc ttgaatnatt tcctntgtta gcttcttttg agcctngnng 60
ccctttcctt gggttgaagc tcactacang ccttaagtga aaaaccatga tattaccata 120
tccttaagga attattgaac tttggaattg tttttgga 158

<210> 11120
<211> 404
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11120

agcttctctc tcaattttct ataaataggg ggagaagtga agtagaaaag ggttcgaccc 60

cttggcactc tctctcttcg atntgcttan gaaaattggt tccgtgaaaa aatccaaacc 120
gaggcgcttc cgtaacgttt ccgtgagtga tttcggaag gttttcgacc gttcttcgat 180
gttggttcatt cgttcttcat cgttcttcag tcttgaacgg gtaagtacct caaaccaagc 240
ttttcaattc attctatgta cccgtggtgg tccacatttg gtttcatgta tttttattct 300
tgtttcattc actttntata ccccttttg acgtgctgaa gccattntat ttaaatacatt 360
tctcgcttaa cctaaanata aaataaattt ccaccgatcg ttg 404

<210> 11121
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11121

aagtgtngct agctnctgat gcangacaan naggctaaac cctggaaatg agggaggaga 60
ttgcccggaa caatttggtt ttctttccta acaccctaag gccaaagggt aataataaaa 120
tagttttttt tggttttggc gagagattca tggctatggg cccaagggtt tcaccaaggc 180
cttttcctta agaatggtat gcattaaaaa ggctcagaag ttagatgggt gctcttcttg 240
gacaaaagggt tgctggaaat actactccct actacggaat tctattccgc tgattttgag 300
attgcacccc gtagcagatg ggagcgtctc tgactcatgg attgcagata tctcgggaga 360
gcgcacgcag agcgggtcn 379

<210> 11122
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11122

agctagcatt tggagcttct atggangccg gatctttgag cttcaatgag gtcctttaat 60
ggtggttttc caccatggag atgcagcgga agataaagga taatatgtga gaggatgcgt 120
catccactan ggaataagcc atggaagaag gagcttcacc tcctttatga gccttggata 180
ataagcttgc ataggatgct tcaatggagg aaaagaatga gagagagaaa gagagagggg 240
ggagcacaaa attgaatgaa gaataagaga gagaagttga actttgagtt gtgtctcaca 300

ggactctcat tcatcaaact tacaacatgt gttacacatg catctattta tagact 356

<210> 11123
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11123

ctactgttga ccggaataag cgggcaggnc tggtaaccaa gagccgtttg attatacggg 60
 gcanggaggg aagtgcata aaactataaa atccttctat gagaaaagtg gtccattttg 120
 tgtgatgacc accattttgg gttaaccttt accaacacac tttcttgaaa gattgatcaa 180
 tcctatgggt ctactccgct atcttcccct tctgattact tcaaaagtga ctgtccacca 240
 tgcattggag tcaaacattg aacatacgtt cttctcctgc atgtgatgga gcaaccactt 300
 ccaggaccat gaaggggggt ctctgtgtgg tgatatattt caacagaata ttttttttag 360
 acccaatttc ttggacn 377

<210> 11124
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11124

agcttgagtc ttttggtaat ggcgacattt atagcatgaa tagtggtgtg tgtaaccaac 60
 aagtcacaa ctacttctgc ctgagaggta ccctagaggt actgggggtat tgacgatggg 120
 agcttcccat atagtgggtt cggatatttg aaataccagt gctcagatga accaatgtat 180
 tgtatgacca ctccgtatag gaagatactt gaaccactat gatgggtgat catggacaaa 240
 cgaatggaag tattgtctta aaacatgggt gacgacctcc atctgtctat cgatctgngg 300
 atgataagca gtgtcatcc atagcttcgt cccacataag cgaaagagtt cccgccaata 360
 ggcaattatg 370

<210> 11125
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 11125

ggcgtgacta tgcattgcat gcatgacacn aacctgggca ataagtcctc cccattaatc 60
tcaagcaggc atttnggttg gcctatccnn ggcccgggag gccggagggg cgctatacct 120
cctaattggac acatggggcc ctaccccaat gcccagtaga naaagaagat ttcggcctct 180
ttggcctaaa tgcattcttat ttgcacacat aacatctttt ctaacatata tgggcatatc 240
ctgcatgtgc gtatcatttc tagcctacat tttgatgaat atgggttcata tgctatgcgt 300
cacaaacttt tgattgcaaa atgctaccat tggttcatgt tgctcatctg ctttctctca 360
aaacaaaaag ggaacggaac ttcactcatc tagttatgtg ttgccacaaa ct 412

<210> 11126
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11126

gggannnnngg tgtagctgta tgcanncnnaa annaccgggg cnngacagga nncggggggag 60
gaggctatct tttgtggagc ccaaggaggg gtaggaaggc ctccctaaaa aaaacaatcc 120
atttattgga caacacctct tggaaggaac cattcatgcc caaatggtag gtaccaaagg 180
tgggccttac accaaaaaaaa aacttaaagg ggggaaacct actaggcccg gatctcctag 240
aactggaaaa acatccctgc aaggagggat ggaacacct ttctattggg agacatgtgc 300
caaccagaag agattcttgt aaaaaagcac aaa 333

<210> 11127
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11127

ttcattccac cgttgggaat tttaagggtc aaagagaata aaacctttga tcctcaatac 60
atggaagata tgtgtccgag gtcacaaggt ccaagaagag ttaagatcat ggtgatgcc 120
gggttttatg ttcaggatag ggtcttgagg tgtaaagttc tctgcacgta caaatctgcg 180

gcctangtaa gagttggaat aagttttata tgtacatttt cttttacttt tagactcact 240
catcttaagt ctgtaactag ccaaagtac gtgataatta ataatagttc aaagtgatct 300
aatctattgc atgttgcaat ttgggtgctn gtcattggat agataaagat 350

<210> 11128
<211> 322
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11128

gaaaaanggg gattcttgat gacctctgaa ctaccacact gtgtaggcc ccataaaaga 60
atgtgtttta cttaaaaaaa ccacctgtac gatggtcttt ttacttccgg ggacggggga 120
aaaattaatt gaccctcaca acaactgatt ccgggaacac gccccgcag acatgcgaat 180
cgatcttaat acatatctgt cacctatcgt tcgattgaca cagtatgcat tttgggttga 240
accgcccgcgt tgtttgggaa aattatattt tttatgaatt gtcacgtgat tttaaatttt 300
aaatttgatt aataaacgaa ag 322

<210> 11129
<211> 209
<212> DNA
<213> Glycine max
<400> 11129

tgcttgcttt ctctggaagc tcctaatagc tcccacacta tttggggtgg gccattctcg 60
gatggccttg attaactcac ggaccacttg gacccattt ctaccaacta cacaacctga 120
gaagactata ttatctacac aaaaagtaca ctactgtata ttagcataca gggagttttt 180
cctatcgact gacataactt gtctgacat 209

<210> 11130
<211> 449
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11130

aaactagggt agcnatgnat nncnnnnaaa tnagcnagag ccnaatggag agagccngcg 60

gggaggcggg ggngagtttn cttttttgtn angcnagagc naaacgggca cggcgccct 120
 attaacgcaa cccaacctcc tcgaggagcg gccctggaga gattccttaa aaggctggag 180
 cttagctact cttacctgta ttagaggtgg cctcacctcc ttggaagaga agcatgagct 240
 taactacgca cccctatga tagcttagct caccctctga caaagaactg gagataacaa 300
 aaaaagggtt tattccaagc gacgtacctg ccccaaatac aggctaaacc ctaatctcta 360
 aatgggccaa atctaggctt cacaagaaag ctttttctaat attccagata acggccctcc 420
 taaccctggg cccaacaacc ttaggcctg 449

<210> 11131
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11131

ttctntcatt ttattttcca actcttgaaa gtttttcaat aaagtaatcc tttctttgga 60
 tattttatca ttctcgagga atagcttggc ctcttttata ttaagtgttt cacaagaata 120
 acataactga gtggactcat gcatagaaat ttctgcttta tcatgaaagg cctttttana 180
 ttctttatga tcttttgata gctttttgaa atcttttccc aatttcttat aatcttttga 240
 aagaatggat gagtttgaaa agagttcatg ataggcttgt ttaaaagact tggggtcatc 300
 aaaatgtacc tcatcgtctt ggtctgattt agattcttta gaggttgtgt cggtcatcag 360
 acatatgttg gcttctctta ctcc 384

<210> 11132
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11132

cttgaggagg agtgtngaaa accatacaaa agatngttga tcctattatt attnacacnn 60
 naagagggag ataatctgtg attaaaagga accaaataat ccttaattaa tgattaataa 120
 aggaaataat ctaatttaac cccatccgtt gtggacttct gaccaccggg tttaagccta 180
 taatccctct attattctct ctttaattaca gaagcaaata tggaaacggc actattctct 240

ctgggcattn ttttaatat agtttataga tcttcttccg tagctaattg gtgcggagat 300
aagtaattac tagatttgga tttgagattc tgcattgggtg ttggcccacc aaacaatatg 360
tgtatagagc aaaatctcaa tcttcatttt ttaacccatt cggtttcgga gttagtttt 419

<210> 11133
<211> 217
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11133

tttcttcttt tcaactccana catcttctcg aagatccga cggtcagatc atggacgatt 60
gtcttgtaga gttgcaaacc aaatnctgag tgtattcaac tgttaacgaa ggctgtgcag 120
cgcttttacc gatgcagctt catgtacttt tctctacaag cttgactaac aagcttctaa 180
cacactccag atatcttctc agagatccca acgggtca 217

<210> 11134
<211> 99
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11134

tggatactac actctctaaa cactatgtat accctgccag aaaagactan aactgtacag 60
tgatttatct gtctatatga cgatcacaac ttagtcaat 99

<210> 11135
<211> 255
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11135

ttcttctata tcttgnngga aacaaccatt cttatgggtg tgaccagtta agaaatatgg 60
gagttcctat tgaagaaagt ataacaagag atggtagcat ggtctccacg ggtgtttcta 120
atgaaacatt agtagttttt aggcaacaca tagatcatag taatcatgaa atggttaata 180
ctttgacaaa tcacatggcc tcaattttaa atcctttatt gagaactacc aatgaaagtt 240
atcaacttat gaatg 255

<210> 11136
 <211> 253
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11136

tactcaagcc tgttacctcc ttcttcaacta catcaagagg gaccttggtg tttcttctct 60
 gnggctgnct aatgggttta gcccacacct ctaaaagtat ccgatgcata catgtgaatg 120
 ggctaataacc aggaatgtcc gccagggtcc agcctatagc cttcttatgc ttcttgagaa 180
 ctgatgacaa cttctcctct tgctcatcaa caagggaggc agatataatt actggaaaac 240
 ttttgctctc atc 253

<210> 11137
 <211> 256
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11137

agcttatttt ctgaaacatc cacaagggtg aggcattgact acttttctact ttcactattg 60
 agactataca aagtggaaaag aaaaacagac gcatatgaac tcaactngtgc agcatgctgc 120
 tatgagcctc agtatgcata tatcttgtgc tgcttcgaaa ttgaaagcat catcatcaag 180
 tgaagtagta tccagaccaa cagaagccat ttgccccatt gttctctgaa tctgcatgta 240
 ccatgattac aaattc 256

<210> 11138
 <211> 229
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11138

taactgaatt acttggggat agagagttgg cttcttgaat tatcacgnnc ccaagagtca 60
 ctatgaggcg aagaatattt atgtccagta ggaatgaagt accaaaaaat ccgtgcatgc 120
 cctantgatt gcatattata cagaaatcaa tttgtngaatt gcgttagtgc ctcacatgtg 180

gggtatcacg atacaaagtc aggatgatga agacattatg atgcacccc

229

<210> 11139

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11139

agcttatgtc tganatattt acaatagacc tcttcagcct cagcagcaaa atcaaccaca 60

acagatcaaa tatgacctct ccagcaccag atacaaccct ggatggagga atcacccctaa 120

tctcagatgg tccagccctc agcaacaaca acagcagcct gctccttctt tccaaaatgc 180

tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac agccccagaa 240

atagccaaca gttgaggccc ctccacaacc ttccctcgaa gaacttgtga ggcaaatgac 300

tatgcagaac atgtagtttc agcaagagac cagagcctcc attgaatcaa caacagtccc 360

agaattctga caagct 376

<210> 11140

<211> 210

<212> DNA

<213> Glycine max

<400> 11140

tggtggtact atagctgcac taaatagttg ttgtggttat cttatgcaga tgcaatgcag 60

tagaaggggg taaagacaat atattactac aattatatga gattgagtag gtaataactaa 120

gaacagaata ttagtagcat gaccgagaat aaaatagccg ctgtgtcaaa taacataaca 180

attgtctcaa atacaggaaa aagaaatact 210

<210> 11141

<211> 360

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11141

agccttggtta agtgatcatg ggggtgaatt caaaatgagg aattcgaaac tttntgtgaa 60

gaaaatggta ttaatcacia tttttctgct tcaagaactc cttaacaaaa tggagttggt 120

ttgagaggaa agatagattt ctttaggaat taacaagaac tatgctaaat gaaaaccacc 180
 tacctaaata cttatgggtg gatttcattt gtacaacttg ttatgttctc aatacaatga 240
 ttataagacc gattntgana atgacacctt atgaggtcta caaaggtaga agcctaaata 300
 catcacatca aanagtcttt ggggtgtaa atgcttgtgtt aaacaatggt aaataatcac 360

<210> 11142
 <211> 227
 <212> DNA
 <213> Glycine max

<400> 11142

tgctgattgg ttcaacattc caggtgtctt tgacctcttc actttctaag atgttccttc 60
 ccctcaaggc acccctgcc aactaggcac atctgtcata ggattcacc tccatgactt 120
 tgcagatata atcttcacaca acaatgagaa ttacacgcag tcatggcaca tggatggatc 180
 tagcttctat gttgttgggt aggacatcta tttttattat ttatttta 227

<210> 11143
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11143

agcttctagt caaatgtact taccttgaat taattccttg gatagccctt ttgagccttg 60
 tttccctttc cttgttttga agctcactac aacccttaag tgaaaaacca tgatattacc 120
 atatccttaa ggaatttttg agctttggaa ttgttttggg aataaggtgt ggggggggtt 180
 nntgtttcat ttggacaact ttgttttgtt ggctatgctt catgatgtat tttgggccaat 240
 acttgatgta cattgtatat tggttaaatg ttggacatgc tgaataaaat gttgtttctc 300
 anaggctaaa gagtaaaaaa aaaaaaaaaa aaattcgaaa anaaaatcga aaaaagaaaa 360
 agaaaagcaa taaag 375

<210> 11144
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 11144

gaagagacct agaattctga tacatnaaca ccacagctct aaggctgctc aatggctcca 60
ggttgctgca tagaagggca attgtcggat ttgttgttcg ccaaaaaacc ttaaccattg 120
acattttcca caaggattga atttttaatc caaggcaact tggttaccag gttaccaaaag 180
gctttaattt aacttccaac tctttaattt caacttaata agaatggcat aaccttattt 240
tcttccaggc cctttcttga atgacttgca accttctttt gttcctgtga agttcttggc 300
aaccattctt angctaattt gtgaatttca agacattgcg gaaaaccaa aatattgatc 360
acaatcgtaa gtttcgtgaa caccgaaatc aaatgagcat cgtgcataat agtgaaaatc 420
gaacattcgt aatcaaaagg gatgatatgt atcgcagg 458

<210> 11145

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11145

agctgttggt caagatctct atttatctcc gaaaccacgc tgagcaagca tatagtctaa 60
gaacgcccaa cttatcgagt tgtatgcttt tctgaagtct actttaaatt aaaaacaatt 120
ccagtgaat ctttgggccc aatccaccac ctcatcctatg atcatcacgc catcaaacat 180
ttgcctacta ggaatgtang aaaattgaac ttctgatata acagatccca agaccttctt 240
cattcgtgtg gacaacaact tagatatgat tctgtgaaga ctccctanta gtgataaggg 300
taaaaaaatt tgacatagac tatggattct tcttctttgg aattaaagca atacatgaat 360
aaaccacaga tttggaaga gaagcatnta ggtaaaattc ttgcacacat 410

<210> 11146

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11146

gtcgtgactc ggcgtagcan cncgtnaaa catnagaccg gaacccaatn ttanaggag 60
agttgggact aggattaaat tttcctttgt ttaagttcaa aaagaagaag ggcgaggtct 120

ctagaagttt agagaatttc tggatgaagat attgcagaca ccaacttga accagaacgg 180
 tttagagagcc tagataaatt gtgagtggat gtgagaatct ctaagtgaag agacattctt 240
 ccagggtttcc atccgtgggg ggctcataaa ttggccatgg tttccactta agaaacactt 300
 cgaaaatctt atatgggaat cacagccaca aggtttctca aggagatttt tagcttcagc 360
 aggtcctata atcacaggac agtggagaac accctgtacc agtcacaaga ctgagtggcc 420
 ttcaacagcc atcan 435

<210> 11147
 <211> 59
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11147

agcttctttt ggaccttgaa caggcaacta actcctctnt caaaaccatg ctatgtgct 59

<210> 11148
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11148

gctgtacctg tgctatcaac atatagacac tcagcttgca actcatttgg aatctcgaca 60
 ttcttcatcg gatgtacctt ttgctctctc cgcgactcgg catgcggctg aaggcttctc 120
 gccatctgta ccaagtttga aagttgtagg gctccacett aaatcgcacg cactctagga 180
 aaaggttctt attttgaca cggcttaca ttttgccaaa attggaaagt gctcttctct 240
 acctgcttan actacaaggc ngcgaggtac atgggcgatc actgcgcata tgagactgaa 300
 tgaccgcaaa gtttaaactt taaaggctcg gaagatgctt ttacactaat gcaactcccta 360
 ggacgtagga gatcacataa ctggtttcat tatgtaagtg gctgatgaga tgctcc 416

<210> 11149
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11149

aaccgacttc aaattcncct ttagggagcc gaataacaat ccattggcgc gcgtttacaa 60
 ccgcctgaac tggaaaaccc ttgccgtaac caacctaatt gccctgtgaa acaatcccct 120
 ttctccacat ggccttataa ccaagaaggc cgccaccata tgcctttccc accattggcc 180
 caccctgatt ggcaattggg gcctgatccg gaatttcttc ctaaccatc tggccgtatt 240
 tcaaacggat aatggtgacc ttccatacaa tctgtctgat gccgatagta aacaagcccg 300
 aaaccgccac acccgtgacg caaccctttg ggcnnnnnn nntnnctcn nncgggttct 360
 tcnnnnngttt tccgcgacct cgattctttg tct 393

<210> 11150
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11150

accttgctat cccatggaag ctccataat ctcccacact ttttgggggtg ggccattctt 60
 ggatggcctt gatcttctca aggtccactt ggaccccat tctaccaact acaaaaccta 120
 agaagactat attatctaca caaaaggtag acttctctat atttgcatag aggggtgtttt 180
 tcctaaggac tgaaagaact tgcttgagat gtcctaagtg atcatctang ctctactgt 240
 aactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc attaagacat 300
 gatgcataag cctcataaag gtgcttggtg tgtagtgag cccaaaaggc atcactagcc 360
 attcatacaa a 371

<210> 11151
 <211> 140
 <212> DNA
 <213> Glycine max
 <400> 11151

gagaagctag agctaagcta cacacagccc tctcataact aagctcacct ccttgagaag 60
 cgtacttaag aagattcctt aagaggctag agcttagcta cacatacctc tataatagct 120
 aagctcacct ccttgagatg 140

<210> 11152

<211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11152

ttctnatgtg catattncat nacgaacggt ctcttgccca agacattcta ttaaccgaaa 60
 aaaatgcacc catatacaat caaggcagct ttgttaccta gattatttac acgtgcttcc 120
 aaggtgtatt tggtacttac atcacacaca tctccttgge taaattcaca tacatgcata 180
 ctccgagcat tttgggggtac caaaaattgc acatgtgcac atcttggtat ttctaatacc 240
 tatacatata caaatatcat gatgaatctt gactatctac acaatanagt gctacatttc 300
 atgccttttt ccaagttttc gctaccta aa gccgcatgca aattcaagca tattttcctt 360
 tgttgactaa aaattgattc aaatatatat atatatt 397

<210> 11153
 <211> 495
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11153

nnaagaccgg aatcnngcg tangctatca ncgtgnaact atagaatagc naagcctggt 60
 aatgagcctn caaaacaaag ataagggaaa catattttta nattggctnn tcaagggatn 120
 aattcaaggg aaagccattt ggctagagge taataagacc aaaatggcct aaatcatttc 180
 caaatatgca tgtgaattag gaagcatcca gcagaatcaa gccaaaggcta ttgtgcaagc 240
 aatcattggg caaaacacac caaatgatat gatgatggct taaattctca caaaggtaaa 300
 cttatcactt ccaaattgag ctttcaaaac tatcataagc gacttttatt ntcaaaacaa 360
 ttactcatta cttgaaacat atctataatt caaagaanaa tatgcaaagt tgtacaagca 420
 cacagaattg acctaaatat taaactagaa aaccacacaa acttacaaca ttaaccaatn 480
 aacacaacct acaag 495

<210> 11154
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11154

ttctttctctc ttattntgct ataaataggg gaagaagtga agaagaaaag ggttcagccc 60
 cttatgcact tctctctctc tcgaaattgc tgacgaaaat tatttccgtg aagaaaatcc 120
 aagccgagggc gcttccgtaa cgtttccgtg aggaattacg cgaagattct cgtccgttct 180
 tcaagattca tcgatcggtc ttcgttttct ttagtcttca acgggtaagt acctcaaacc 240
 aagcttttca attcattcta tgtaccctg gaggtccaca ttgtgattca tgtattttta 300
 ttcttggtat catttatatt ctataccccc tttagacgtg ctttaagccat ttatttaagt 360
 catttctcgc ctaatctaata aataaaatat atctccatca atcc 404

<210> 11155
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11155

ctatccttat ggctngcctc eggattgcac tccccgttct cccttgatag atctaagcca 60
 agcccctact ttttgagggc aactaccgcc ttatgacaac tatcccggac aagacgatgg 120
 ggaaggagat accccatctt ggccccctgc tcaacctcaa agatccgtcc cccattgaac 180
 tacccccacc gaacatagtc tgccatatcc caacctcacc cacaccgta aaagaatctt 240
 gtcccttcgc ggaaaatacg gaaagattga ggcgcttgaa gaanagttaa tagccatcca 300
 aggcccttgc aattacccat tctgggattt acaagattat tgtctgtgcc caataacgtc 360
 cttcgtccca gttcaaagat tcgactttga taagtacaaa ggaccacctg tcctaagggc 420
 atccttggat tt 432

<210> 11156
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11156

tcttcttctg tctcaaaga ttatacatat ataggaccct tgacaggact cctataatac 60
 tgatacatgg tgtgattaac aagcttcaca cactctaggt acgagggatt tcaatcatgg 120

tctgaacggtt ttaattcaaa ttttaaagat tgtaatcgat tacatatata ctgtaatcga 360
 ttaccagagc agattttcag aaaatattct caacaatcac atctt 405

<210> 11159
 <211> 261
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11159

ngagtcaccc tcaactcact ttggaggctg ttttagtttt attgtattan gggttccagt 60
 tttcaaaatt aagttaaagg ttaataattc gtactttcta aagtaagcat tagaaattag 120
 aaaaaactgt ctttatctat tttaatccca gttgctgtag ttgaataaat aggttaaact 180
 atagtattcc atgacatggt agatccgaaa gcacatagta gaggtaaaaa tacgtagtaa 240
 atgtgtatgt caattgtttt t 261

<210> 11160
 <211> 156
 <212> DNA
 <213> Glycine max

<400> 11160
 tgcaagcttc ttttccaggc tcattctggt ggtgaagctc cgtcttccat ggcttattcc 60
 ctactggatg gcgcctcttc taacctcttc tgctttgtct tacgctgcat ctccatgggtg 120
 gaaaatcacc attaacagga tctattgaag ctaaag 156

<210> 11161
 <211> 573
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11161

gggnnnnnnn nnnnaaatgg ttgaagccta gnnagtaegn tncnncnann aacngcgaca 60
 cnnatngaac tactnaagcc cccgaaactn nngagcgagg agggagagca caattgttcc 120
 actttganna tttctagnng gcncnncaga gagtcttaaa gaaaggggng nnggggttgaa 180
 tccaacaata ttaccaaacc ttttttcccc taaataaana aatctaattct taccttttta 240

ctttaagtta tgaaattccc cttaatcaac caatcttctt taaatattta atttcanaat 300
gaagccaact tgaatattga atattaaagc anttattaat taaaggaaga ttaacgggaa 360
gagaaaattg catactcaag tcttatactt ggttcncgcc acacccttg tgcctacgtc 420
cagtcccaaa gcaaccccg c ttgagagttc cactaccttg taaattcctt ttcacattcc 480
taaacacaca aggccaaccc tccctctgtg tttaaagatt cttacaacac aaaaactcca 540
gcctcttatt ccctgataga tagaaaacaa aan 573

<210> 11162
<211> 382
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11162

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cctctcataa atatctatgg ggaaaaaat ccccaaagtc ttaaacaatgg gtcaagccct 120
aatgccttgt ataagtattg atgctaaatt atattgtggg cttctgaaat atatattctt 180
atcaaataat taaaaaaatt tgttaataat taatgttgac gaaatatact gcaattgagc 240
atgtcagtta tatttgtgag actcatttag tacaaatttt aaaattggta aattggagaa 300
aaaagttact cgttataaaa caagtgaat atttaaattc taaataataa ttatgtagtt 360
taattcttat aattgtgtac ta 382

<210> 11163
<211> 481
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11163

aggggcnnnn nnngaggtgt gtttgagatc atagcaatag cannncccat anaatatnna 60
atccncangc ttagacattg nnggcactga gcatgtccta tgactgattg gattttgnan 120
cagccgcaac tttcaaggag tgatgaagac attaataaat caataaatca gtcaaataaa 180
taagtgatga ttatgtcata aatgttcatt taggtcaacg ttaacctaca gcagctattt 240
acaaaccact cctgacactt tttgttttct gacgcccaaa acttttaaca gagcatacag 300

<213> Glycine max

<400> 11166

aaaaaaaaa aaaataaaga gaaagaaaaa aaaaaaaaaa aaaaaaaaaa aagaaaaaaa 60
 aaaaaaaaaa aaaaaaaagt aaaaaaaaag gagaaaaaaa aagaaaaaaa agaaaaaaa 120
 aaaaaaaaag aaaaaaaaga aaaaaaaaaa aaagaaaaaa aagaaaaaaa aaagaaaaaa 180
 aaaaaaaaaa agaaaaaaa aaaaagaaaa aaaagaagaa aaagaaaaaa aaaaaaaaaa 240
 aaaaaaaa 248

<210> 11167

<211> 151

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11167

ataaaaaaat tgacatatac tntaattatg agtcttctcc tcacttatat gatatggact 60
 caacttttta ttttactcga tgtgaattca cctacacttg actcagaaca tctctttgca 120
 tagaatgagg agaaatctat tcaaaacatc a 151

<210> 11168

<211> 272

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11168

agcttttattg tattatctgt ggaaagcacc tgtaccagat gatgaaagt atgaccaa at 60
 tgacggcgac agcgacgaag tctatttcat tgaagccctt aggaaaagac gggaccgtga 120
 ggcgccattt ggcagaggag attccgattg tggcgcctag gtacgccatc aagcctctag 180
 cgacaatggc attggaaagt acggaccana ggtgacggg aggtactaa agtcgccgcc 240
 agcgacgggc atgtcgacta caaacttgggt gt 272

<210> 11169

<211> 246

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 11169

tatatcgaga cgctcgaaat ngaatggtga acctttgaac ccattcaaac cacaataact 60
ttttactcgg atgtctgatt gagtcncgcc atatatcgag atgccttgaa attgaatgtg 120
aaaccttttag acaattcaaa accacataact ttttactcgg atgtctgatt gagtcccgta 180
atatatcgag acgccttcaa atggaatggt gatgggtctga gccaatctaa accgacataa 240
ctttttt 246

<210> 11170
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11170

ggaagccttt ccattgatnt tcaactatca ctacacacna gagcgcnct ngnaaggaca 60
gatctaagca tacataattc tttantatca tatgcataca ngatggcttc tatgtgttgt 120
cgttccaaat cattcttatg gcattatgcc cgactaaatg tgtctctntt tgaattggaa 180
tgggtgatgc tgagcaattn ttcattctga aactctctag tactntattg atatatgttt 240
tctagaacaa gcctaatagt ccttgtgatg tagctctgaa tatttatatt cctatcacat 300
agctcggtc acccatatcc ttcatttcag aattactaaa gagaaacttc ttaatctcac 360
cgaaatacca agataattng ttgcacgcaa atatcatacc atacagaata aagatattcc 420
ttatttcact gccttgaata tatcattgtc aacatcgatc ctttaatcaa agangcatgt 480

<210> 11171
<211> 285
<212> DNA
<213> Glycine max

<400> 11171

tttttttttg ccaaaatcct gactcaccat aaaccttgac ccaggggtgag aatgtcaatc 60
cttaccctcg gaagcaaaaa aagaatagag gggaaatttc caatcaaaga aaaagagaac 120
gaaaatttcc aatgaaagca aaaaaagaaa agaaagaaaa ttccccaatc aaagagtggg 180
agaaagcaaa aaaagaaaag aacgaaaatt cccaatcaa agagtgtgag aaagcacaaa 240

gaagagatag gaatattccc aatcacagaa tgggagagag taaaa

285

<210> 11172
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11172

ggaatactta cttgttgggtg atgaataatt tcgcttatcg gaatcgaaaa atgcaaaaaga 60
tagtgaccct agggctgcaa actcgtaaatt tccgtgggta ttgcttttga atggggggaa 120
aagaagtttt tgaatgcaaa aacgtccccc ttcttcattt tttatatatt ggtgcagggg 180
ttgctcgccc aagcaagctc agctcgccca ggcgagctaa cctgcactat ttttttttta 240
caaaagggac gaatgattta agaagcgact gtacacggga atggctcgcg tgaggggacc 300
anagcttttg atgc 314

<210> 11173
<211> 368
<212> DNA
<213> Glycine max

<400> 11173

tgtcttattg ttggtaatcc taatattcta ctccaagcga ttattctatt ttaagacact 60
aactacaat tgggtcaagt ttttttaaga gtcaccaata gttttgggca acttttggtta 120
cagtcacgaa tgtgataatg ttaataaaaa tgagctgata aattaactaa caacttatac 180
cgtttaagtt gaatttaaag ttgaaaactg aaaacttgaa agcttataaa ttaatttaat 240
ccgtctaatt agaaatattt tttaagatta actacgtaat atataatata ttcttagtat 300
tggaatatat ctttaaaaat ttatcatttc taaaaataga ataatatctt tttaaaaatt 360
atatctta 368

<210> 11174
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11174

tgacgtgcga tttgaatccc atgatggata aacctgactt tttattatct ccatttggcc 60
 acacttttagt tagatgtcta taattaaaac ttggtccatt gatcttttat ttattagtct 120
 atattataag attcaatttt ttacttttta aaaatacttt ntaattcaaa gataatttta 180
 aattatataa tttttgtcct taagaaaatt gttttactat tttttaaaag taaaaaatat 240
 aaccttttaa aaaaatatta aaatcattaa atgaccattt ttttacttta aacagactag 300
 ttcataacaa ttaatatcaa agtagtgttt agcttcgttc tgccgtgtaa agttgaagca 360
 aatgattggg tgaaatatta ccgtccaaag taaataacgg aatct 405

<210> 11175
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11175

taccttttta atttgaatta aaacgttcaa taactgctgg taatcaatta ccatatatgt 60
 gtaatcgatt acacagtgcg nattttgaat tcaaatttta atagctgttg taaatcattt 120
 ttggccattg gtaatcgatt accagagagt aaatctcttg aaaaagactt tntaatttan 180
 atttcttggc caaacctttt gctacttcaa ttggaattcc cttcctatnt aatataccct 240
 tcctaagact ctagagactg tcttgatcat ccactctgaa tatctttaat ttctttgtct 300
 tgcataaatc tttgagaagc atgtgatcca tgtgatcctt tggcatcatc aaaacattca 360
 gcttgatcct ttgtctacaa tctccccctt ttt 393

<210> 11176
 <211> 352
 <212> DNA
 <213> Glycine max
 <400> 11176

tgagatgagg aagtgttgaa gggtgaaact tcttgctttt attgttgacc acagagtggg 60
 acctggagat atgtcgtggg ggtcaggaga ccttggggac gtcaggaggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcggtcag tgagaacctg 180
 tgatgtacct aagcaggcga gctcctggca gtcaacagat gaaaggaaca aagaccaaaa 240
 agcaaggagg cttgtggtgg ctggccaact gtgaaacttg attgatatgt gagatatggg 300

ctctggtaat cgattaccaa gggtaggta tgcattacaa ggcttaaaaa tg 352

<210> 11177
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11177

tgtcttgctt ctntttctgg tggtatgttt tgggtgaatt gattactgcc tcgttttaat 60
cgattacatg ttatgggtta tggcttcttt tgcctttgtg ttctttttta atcgattacc 120
ttatgtttta atcaattata aaggcctcag gggagttttt ctggcatatt taattgatta 180
tgctgcatt ntaattgatt actgtcatac cctaatttcg tccgnggatt attatttgat 240
gatatacaac ctttgattgg ccgcttcgag atatttggca ccctttgttg cacaatatgt 300
gaagtcccga gacgtgccga aaatcaa 327

<210> 11178
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11178

nttggaggaa gcctcttaat gaagcttcta gataaaactc tttgatctgc ctcngaaaa 60
acgtgcccga gctttcgta accgttggat cttctcgaaa tttggtttac aacttcacat 120
gacaatttac catgatttaa ccgttgggat cgttgagaaa ctatctggag tgtgatagaa 180
gcgtccgttc ccgagagcat ctcttattta agcatttcag cctttgcttt cttgtagctt 240
angaaaaatg tcatttcttc ttctttcttt cttccaaatc catttctaaa gttacaagta 300
ctttctccat caccacatt caccattage caccacaaac catcattgtt ctccatttga 360
aaccacacc gagaggaacc ct 382

<210> 11179
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations

[illegible]

```
<210>      11180
<211>      365
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      11180
```

ntttctctgt	acacctacat	tcctatacac	aaaatatattt	ttctctatat	ccacacgcac	60
tgaacaactc	tttctcttta	taccaacatg	gtctatataa	aacctctatt	cctttttcaa	120
gatttctttt	tcctttttca	atatacactc	gttatttata	caaaaaattt	ctttatatac	180
actcattgct	catatacaag	aatttctttt	cacacattgt	ttatatacaa	aaaatctttg	240
cacacatgtg	ttatatacaa	aaactcttat	cacacatttt	tttatatata	acaacccttt	300
tcacacattg	tntatataca	aaaaatttct	tttcttttct	ttatatacag	atatgacatt	360
ttggtt						365

```
<210>      11181
<211>      497
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      11181
```

tgctattaaa	nnnnnnnnnn	nnnnnnnccg	ccctttaact	gangctgtat	gnectgcgaan	60
nanaaaacnan	ccgcngcnac	nnggningcan	gnaggtggca	aagaaggcat	ttatttttat	120
gngancnac	agaagaacgg	agagtatgga	ctctagcaac	agggcaaaat	attgatcatg	180
gcaacctgag	ttactaagtt	gaccaatgca	taaagttttc	cctcaagctt	nttatttttg	240

gtagatgaag agaatctgtg gcaccctatg gactcctcta aggacaacag catcatttct 300
 tgcactgaat tgttgtgagt ggggaagccat cttctcaatc aagattctag ccacagcatg 360
 agtcatatca ccaagagctc accactggaa cataatcata ctctctcatg ttgctagacc 420
 tatagaatat tgagaagagt tgctagaatc tgtggtgggg cacttgacac attgtgaatc 480
 ttccacactc atacacg 497

<210> 11182
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11182

tgggaactncc nnnnggggnnn nnnngggggcg tccccccgat ttccnogaac tncntgaata 60
 gaaaacaagc tcctcaggac atcaacaaca ataagttaaa tnnggtttaa ttttttaata 120
 tataagaact nngatgtcta gccgtgattt ggctatataa tatgaccatt gacaattaat 180
 aattctttta atttgctaag attgactgaa ccaataataa ataatgtata tgacctatgg 240
 ggttttatat atttgatata atcatgttcc tggctcatga tgggttaaaa ttttcaatga 300
 atgtctttgt atgatagtca ttgtgaatgt ttattattgt acgcactttg gttttttgtg 360
 atgccaangg ggagagaaat anggattata tcaagactca catanngtan taacttaatt 420
 tcaagtgaag cttaaactca aaaacaangg tgtagatatg gacaattaag tgagtgatcg 480
 actaggaaaa aatatgtgca tgtgtn 506

<210> 11183
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11183

nnnggatgac ctangatn tn tatgnacatn cannnnggacn cgggagcctc ttagagnnga 60
 ccgtggggca ggcaagcagg gttctttctc tcnaggaaca cactctcacg gcacgtgtgg 120
 atccctttat acaccatata tccaaggttt ctctgggttt ttccttttcc tcaaaagaag 180
 agaaaaagtt agttatgact tatgacgtat accagatgat ttgtgttaca gtcctagggg 240

cttgaattga actaatattc ttttaagaata attacgacga atgaagtttc tatatgtcaa 360
 atgagtttca gttcagatct aaataaaaga gtctgcanga tgtttacttt ntaatctgaa 420
 atacacacac atcattatta acttcattca aactcaacat ttcacacctt atattatagt 480

<210> 11186
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11186

taacacactc tccactgttg gtccttattt tattgagaat tataaaatca gaataatgac 60
 tcatcatatg agtagttgga cctgtaaaat ttgtgatttt taagaaattt gagccaacaa 120
 aaaagagtgt tcaagagaat gtgttagaga cagtgttgct accatttctc tgtttaggaa 180
 tgggtgtttgt agttattagt gaaaatagaa atagaaaata ttttccttat gtcaaacagg 240
 cttctgcatt actattttta gtttttacia cattatgata gatcattata tattttttct 300
 ttctctaaaa caaatgattt gtttattgtc ttgnggtggg gtatataaaa actgatcaac 360
 acantttact tttctttttt tgcctgttca ttccaatgta caaatgattg gcttatgatg 420
 caacaaaatc t 431

<210> 11187
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11187

ggccccacatg ggcccaatgc tagttacacc ccactttgat gagtgcaccc gccctccaga 60
 aatgttttaa tggggtcaga tggggcccaat gctagttaca ccccctagtt tgttgagtgt 120
 agccccccag aatgttctag atggggccag atggggcctaa tgctagttgc accattaagt 180
 gtgatgagtg caacccccct tcagaatgtt cttgatgagc ccagatgggc ccaatgctan 240
 tgacaccccc ctactttaat gagtgcagcc cctatt 277

<210> 11188
 <211> 361
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11188

aagcagnact ccttgggcct gagatgctac aacaaattac cgaacàagtg anattgattc 60
gagagaaaat agaagcatcc caggataggc agaagagcta ttatgaccga aggacaaagc 120
cattagattht tctagaagga gaacatgtng tttttaaggt ttctcctgta actggagtcg 180
gaagagctct caaatctagg aagctgacgc ccaagtatct ggggccgtat caaatnttga 240
agaaggggtgg gcctgtagct tatcaaatcg ctttacctcc gagcttatcg aatttgcacc 300
ctatgtntca tgtctctcaa ctgaacgata caaccggat ccatcacatg tactcgcaact 360
g 361

<210> 11189

<211> 257

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11189

aaaaaatcac taaaaaggat ttttaaggttc gatacctcag tttttctcac caagtaaaaa 60
tgggtcattt taaggccaac cgccttaaaa ggacatcctt ccaagtaaaa agaatcgctt 120
gatttccctt ttagaaagaa ctacgtangt ctgatttcct cttcgatgga gggtagctan 180
gagcaagaag cccgcttttg tcgacctcaa aaataaaaaa gaaataaaat ttagatcaca 240
atttccacat tctaatt 257

<210> 11190

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11190

atgcctaatc atttccaatg ttatttttat ctctactgag ttttaaaaga ttggctaaga 60
ttttgttaaa acataagcac ttagacaatg aaggaaagct ggagttgctg cacatgatgt 120
ccaacgttat gtcaaggaat aagatcgggc tacacaatgc acaaggcaag ataaaatgtc 180
aatgaagaa ttgaagttgc aggatccacg atgtcggata caatgtcctg acatcctgcc 240

cgaanatact ggagttgttg cacaatgcat aagtcaagat aaaatgtcaa atgaagcatt 300
 gaagctgcag gatccacgat gtcggatacg atgtcctgac atcttgcccg anaatactgg 360
 acacataaat ctgttatatc tttaacagat tattgtgcag ttagcaaaag attagatgat 420
 ctatcttt 428

<210> 11191
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11191

catggaagct cctaatatct cccacacttt ttagggtgag ccattcttgg atggccttga 60
 ttntctcaag gtcacttgg acctcatttc taccaactac aaaacctatg aaaactatat 120
 tatctacaca aaaggtacac ttctctatat ttcatagag ggtgtttttc ctaatgactg 180
 aaagaactag cctgagatgt cctaagtgat catctangct cctactgtac actaaaatat 240
 catcaaaata aacaactaca aatctaccta tgaaatccct taagacatga tgcatt 295

<210> 11192
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11192

nncccgttgg aactgaanga tantctaaca tanaaaccan gcgacgcang tttggactcg 60
 acccgactat gtcggcagct ctatatcttg tctacagacc ccatgtgcgt gcaggcagag 120
 tactggaaag tgaccccatc ttcttgagag gcttcacata ttcagatgct ctgagtatgg 180
 agtacactta aagggagaac acaaggtgag agccctactg caccgtgcga taatggacgc 240
 agtcgccatc tggctctctc aagtccttat gagagctcct taacacatga aagctctggc 300
 agcactgcct tcttgaccgt cttcaaccga agagagacct gtctaataata tgttgaatca 360
 atacattgga ttctgccgat gaacctccgc agtgatgcat aagaatagat cactcactgt 420
 tgcattggtta tatacagcgc tacactcacg tgcagatgat gcgctgtgta catcattgcc 480
 ctgacgaatg gaact 495

<210> 11193
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11193

ggtcttcatt cttgtttttg cgagctgatt ttagccttag ttttacttta gttattagtc 60
 aattcaatta agaaagagag atcccaaaga gaaacgtcog attgcttttt tggtttatatt 120
 tactaaaaga tattttttta ttattatatt attattttac ctctttntgg tttccaacgt 180
 ggttacgaca tgaccgaacg gtcagatttc attntaacag aagttaacgg atattacaat 240
 tcaaatgata ggtggaaatt tattttatatt ttga 275

<210> 11194
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11194

tcaggaacac aaaatggaac ttatgagact atttcaacat gtatgattat gancaagana 60
 aagaaagaaa ttgcatttaa agcctcatct tctattcaag aagaaagtga cagagaagac 120
 ttgaatgaaa tataagaaga tgatgatttt agtttcttcg taaagatatt caacaagttt 180
 ctaaggaaca aaggaaatca aagaagaaca aatttcaatc caaagaaaaa aggagaaaac 240
 tctccttctg ttccaaagtg gtatgaatgt aatcaacctg gacatctaag agttgattgc 300
 cctagtttca aaaaaagaat ggagaagtct gacaaganan aattcanaga caagaaagca 360
 tagaaagctt gcataccttg ngaagacaac gatatagatt catcgggaga ttcagaaaat 420
 gaagtcgtga atctgagtct cat 443

<210> 11195
 <211> 230
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11195

agctttattc accgccgngg ggctttcatc gttgtcatct tctcatgacc atcgtgtcac 60
 tgtcaatgtc gaagtgtgaa ctctccacc acaagactct catcattaga agctatgaac 120
 ccatctcttg cattntcatg tcttctttgt tgaattttgt gggatcagag ttggtgtggt 180
 tggatgatgac attggcttta tgggtgcggcg gaaggagccg taaggtttgt 230

<210> 11196
 <211> 174
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11196

taactactaa gacacgatgc agagatttat tgctgttata ttaaccagag nnaagccaga 60
 cgcataatgcg tgcgtcgaca agaacattat gaacagcaca caggaaacag actttgcaga 120
 aggtcagtag ctgcataaca tgtaatacat agggtcagat actctgcatt gaca 174

<210> 11197
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11197

ntgagacgca tgtganactn tggcatcatc aaaacattct tctttattct ttgtctacag 60
 acttcatatg aaacaatgca atgtaatgga aagttgtaca atgttcatga cattctttcc 120
 ctattttctg attttgattt tgatttaaata tttttggaaa acacagggtg attgtccttt 180
 tgaaaaaggt gataattcat gcaacctcat cctatctttt gcaaactctt ctgggaactc 240
 cctcagagtg tatgttctgt ttgatttagt cacttgacca ttttggagtg acggcaatgg 300
 agtcgttttg atgtttaata aatccattga aattccagga tttgtcccc ccccttttt 360
 ttgtttaana acatcgacgg gtgagaaatt tttat 395

<210> 11198
 <211> 331
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11198

ttcatcccta tgagatgttg ttgaagtatt ggcgatcaaa attgccattc cttggattat 60
agaattgaac caagctcatg cttttacaaa aaggttcatc aagtcaagtt gaaatatgga 120
agtaaccgtc ttgcaaaatt ggggcaaaag atgaatcgag tcacatcact gcttcgtcta 180
ctgccaaaaca tatttangat tatngatgtc cttgttactt tcagtttcac cttgacaaaag 240
atgtcatgga ccatgttgaa aatctaaatt gattcaaccc catatcttgc gtaaaattcg 300
caatacttca actgtacatc attcgcatgc a 331

<210> 11199
<211> 215
<212> DNA
<213> Glycine max

<400> 11199

ctaagcttgc taagttcggg cccagattcc aatatacata cactcatttc ttggttcaaa 60
gaaaccccat aaatttcccc aaatagatca atcctttaga gagtaagcta taaacatgca 120
caaaatctgc aagcttcaca acacaaccct atctagctag cgctagcccc tctcattggg 180
gcattggttg ctacactcat gaacataaat acctg 215

<210> 11200
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11200

gcttaagatt tggataaggg atgatgtttg gttcacttat tttattgttc gtgacccatt 60
gatgaaattc tccctgttgt ttatcctttt agacacacaa caattggtat caaagctgat 120
ggttcgactt ggtaattggc tcagatgagt aagatgacta tgacaaatcc atggacatgg 180
agatccctag tatcgaaagt cttcttgatg ggtgagttcg tgcattggagg ccangtagca 240
ngtcccgag gtgttgtaat ggtgcaaggt actagagcat attggcaaca atgactagac 300
gagttanggc aatcacagtt aagctctaata ggaaccatt ggatactctt gggtnaaaaa 360
tgacttttgc tcgaaggaga gactaccatg tggaagagac ttacacttaa gggggagatt 420
gttaaaatac aagt 434

<210> 11201
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 11201

aggggggaga tcaatctccc aattcaaate aaacccaatg tgtgccaaat aaccttccaa 60
 gtaatggact aaaatcctac ctacaactgc taataaggcc ggccttggat tcattcggtg 120
 ggggtgggtcc cgtcaacact gcaccagaag ttaaaatttg tgggtggagga cattggatat 180
 agtttcagag aataaacata cttgtaagtt gtcattctca tgcctatgag aggctgtaaa 240
 gaacattgga acatctttga acatagaagt gtgagcatgc tacgtggagt ctcccatgca 300
 ccggctcatt atgcacttga tgtgggtcagt atgtaggcac ggattgacca ag 352

<210> 11202
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11202

nnntttaccg gaattagana gcngncntcn ngaacatnaa tactaagcta agagaatagt 60
 gatgataaaa tggtttttta ttatgcactc atgtagcgcc gcgagacctc gcgaagaaga 120
 attccttagc ataacgatcc tcccagtcac gatgtgggtt tcattcctgg atctaacaat 180
 caatttgagc gatccttoga ccttgactg aaatcggtgt cgaatgataa aagcattccc 240
 canatgaaat tanggtttga caataggcaa tgtgggggtt ttgtttaaat gacgcccattg 300
 ttttagcctt agtaagagtc aagggatcat ggtggatgac gccacanagt tcgtgcggggt 360
 ttgtcagagt ttgtctccat gctntcctgg cgagtgtctc ccttatcctt ctttaagttat 420
 tggatcttta aagtgggtgt gaatgcttnt attcttccca tttatcttaa cttaggataa 480
 taatatggga at 492

<210> 11203
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

Table 1. *Continued*

<210>	11204
<211>	208
<212>	DNA
<213>	Glycine max

gatatattgtgt tgcgggaggg aattcccatt ggattaactc accatctttc atttgctagt 60
ttgatatgac atttgttcgt ggatcaccta tgatgtcttg ctttcatggg taatctatat 120
cctttccgat ggtataacc c atgaaccaac aaagaaattg acttataatt gactcttttg 180
acaatccata gaactagtct tgatctat 208

<210>	11205
<211>	428
<212>	DNA
<213>	Glycine max

aactaagctt	tgagggggccc	tattggtgct	gctgtattat	gtaattccat	tgcaatcccc	60
caaattaagg	actgatcata	acttgaaacc	cttatgctct	cttagaacc	taaaacaagg	120
tcaaggatat	caaaattagg	ctcaggggtt	tattcaaata	aatcattatt	acttttggct	180
aaacaagggt	gcaagggata	aattcatcac	aaattggctt	tttggctgag	tggcgaaaat	240
aaaaagaaac	atgccttgat	catatccacc	ttatgcaa	aatctaagag	tctaagaatg	300
atgcaaaatt	aggaatttaa	aaacagacat	tctctcataa	ttaagttcac	acagctcacc	360
gggacaagat	aaagtatttg	gcttaccgga	ccatgatctc	ttatcatcaa	gcgtaccttt	420

tctctctt

428

<210> 11206
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11206

ccttcctttt atagtgccta ataaatggct cttctactag acttgacggc ctaccaaact 60
catccaaatc gatgtcaaaa gtgttaaaat ggagaatatt ctagtgnaat tggcagccac 120
tcaaacaact ctgtctactt cactacaaac tntggtaacc ttctcctctt cagcactatt 180
gtcctcgatt cggatgagtc tggtaggtgg ctaacgctgg cataagagcc cattttcaac 240
cacttttgaa gctcattggg ggatgtttac ctctttgata ggtctccgct tatagatgat 300
gacgattatt aagaatca 318

<210> 11207
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11207

caaatttgat catcctacta ggatgactga gacaactggg gcaaataag agggtgagaa 60
agagggagaa acccatgctg tgactgccat tcctatacgg ccaagtttcc caccaaaccg 120
aacaatgtca ttactcagtc aataacaaac ctctcctta cccaccaccc agttatccac 180
aaaggccatc cctaaatcaa ccacaaagtc tgtctaccgc acttccaatg acgaagacca 240
ccttttagcac aaacaaaaaa aaaaacacca aaaaaaggg aatttgcagc aanagcctg 300
tagggttcac cccaaattcc cgtgtcatat gctaaacttg atcccatatc tacttgataa 360
ttcaatg 367

<210> 11208
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11208

cttgaaagca accctggttgg attattcttt accatcatca aaactatgta ttcatacatt 60
cacattctcc ccatttttga tgatgacaat cattatcaag tgaattcttt cgacatcatc 120
aaaacctgca tgaatcatat tctcctcctt tttatgatgc caatcattat caagcaaatt 180
ctatttgaca tcatcaanac ctgcatgatt cacattcttc ccctttttga tgacgaaaat 240
catttgtagg ttaggagtaa caaaaaatat ctatctgtat agtttactcc cccttgatt 299

<210> 11209
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11209

aataaagaga ataatgctta tgccattaaa tgatccaaca gatctatgtg cttctctaca 60
aggaggtttc tctagcttta aaaatcaaca gcttgtagag tatgagaaga ctgttaaaaa 120
ttcatgagaa tgtgagggtta ttacgctatc ctgatcattn tgctgctcgt gtgttgacaga 180
tttaatttca caggggttcaa ttctaggtgt tgaggccaac gtttctagaa aatcatattc 240
tactcaactg gttgtcatgg aagatgagaa tgggaaccaa aattctgcgc cacctcaaaa 300
cgaagggttt ctcatcccga atatatttac tttaactata ccgcangtta atgaatagct 360
taatacgtag cttttgattt cgtgaatagn ttggttgagt tttcttgg 408

<210> 11210
<211> 227
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11210

ttgggatttt gtgacaaatg gataaagtgg atcaagcttg tttggaatct ttaagagtct 60
cgggtgtcggg gaacaaaaat cctacacaag agnttagccc tcanagaggt ctctgaccag 120
tgttaacggc ttgacaagtg taccanatgt ccaagtagta aagactcgaa aatctgagtg 180
gcgatnttta tacggactgt atcttgact tgtgttgat tatttcc 227

<210> 11211
<211> 362

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11211

aactcaagct tatgggaagg cccatttgcc tgagagagct gtgtacttgt ttcacagaat 60
gnggggtgag tngcagtgc aacaaaccgt gaaatcattc aattctgttc tcaatgtgat 120
tgggtcaagag ggtctcttca atcgtgcatt ggagttttac aatcatgttg ttgcatccaa 180
gagtttgaac attcacccta atgcactcac ttttaatttg gtcattaagg ccatgtgtag 240
gcttggttcg gttgataaag caattgatgc ttttagagag attccactca ggaattgtgc 300
tccggataat tatacctatt cgacattgat gcatggggtg tgcaatgaag agagaattga 360
tg 362

<210> 11212
<211> 242
<212> DNA
<213> Glycine max

<400> 11212

cctgagacat cttagacat atatgtcttt gtgactctaa catgcatgct agtatgatta 60
gcttggcaag ccattattct catttatgaa actctatcac attaaactaa atattctcaa 120
ctcgccaggg gataatacta tcttgacta actatgagat atattaacta ggccactaac 180
actatgtgtc atacttggat atgcccctaa accatgtttc taataggatc ttgaagttgc 240
at 242

<210> 11213
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11213

tggctatgat ccccaacctt tgttcctttc taatcctcat accccggtca agtgaatcta 60
ggaaaaagga atggattggc tgaactcttt tgtggtttca tcaaggcacc acaggtggaa 120
aaactcatta cagaagttca taagtccact gcttagagaa ctgtatatnt gcctgtaact 180
atttgcttct tatttgcccc tttatatata tgtataacta ctggttggtt ggcattctat 240

atggccataa aagttgagta aaagtataaa aatcttcata acacataatt cttttgcatt 300
 attaattttt tattacagtt gtgacctgac cgcattaaat cctataggtt n 351

<210> 11214
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11214

agaaactcaa gcttgnatgt ggacaacatt aaggacattt atgatctgta ttttttgnac 60
 ctnagnagat gaatcattgt aagacttgat cgtatcata tttaacctttt ttttggttac 120
 tatacataga ggccaaagaa actgttttgg tgtacaagag tctacgactt tggttgaatt 180
 ttccaaattc tcctaccact ataccgatcc taggggatgg ttgaagaaac tctttgagca 240
 caaacttgaa caccagttt gcaacttaga ccacctactt tgcaacttac aaatattaat 300
 tatgcttggtg aaactaaaaa aaaggaaaaa aaa 333

<210> 11215
 <211> 126
 <212> DNA
 <213> Glycine max

<400> 11215

caaaaagctg tcttagttct atgtgtagtg acctcgcagt ctttgctcca agcctagcac 60
 aactttgact ccctaatact tgagttatat attggttgga caaaaagctg tcttaattct 120
 atgttt 126

<210> 11216
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11216

acccattga gtgactttcc atgaatcaat ttttttagat aaaatttccc tcatatagaa 60
 agggcaagga cactctgtgc ttttattcaa gcaacaaatg acatacttgg tcgatttgct 120
 ttcaacaact ttgaaacttt gatgcacctt cataacatat tggttgactg cattcttgac 180

cgcatcttta ctatcaaaat ctatgtcaac atataattct ttgccaacat taaaactcaa 240
 tggcatctnc aaaccacaaa tggtcttctc atcaagatga ctccaggtga tattattata 300
 atgcaaagca tcattcc 317

<210> 11217
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11217

tactcaagct ggtcccaacg ctntgttcag gctctcccaa aatctagatg taaacctagt 60
 atctctatca gacactatgc tagatggcac accatgtaat atgacaatct cactaatata 120
 cagagaggtc aacttttcca aggaaaatat gatattaatg ggaataaagt gagcagactt 180
 ggtcagcctg tcaacaataa cccagataga atcaaaacct ttgggggttc taggtagtcc 240
 tacgacaaaa tccatagaaa tattgttcca tttccactgg gtatctccaa gggttgtaac 300
 ttccctgaag gtctctgata tcttagcctt ctgacagact aaacatgoat acacaaactc 360
 actaacctct ctcttcatgt tgggctacca aaacatcatc ttcagatctt gatacatctt 420
 ggtagcacca ggatggatgc tcaaactact cctatg 456

<210> 11218
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11218

agcttaacat tcaatttcgg gactcaatca gacatcgitt gaattgctat tagcttttca 60
 ttcaatnntg agcatctcac tatattacgg gactcaatca gacatccgag taaaaagtta 120
 ttgtcgtttg aattggctca taggttcaac attcaatttc gagcgtctcg atataatagc 180
 ggactcaatc agacatccga gtaaaaagtt attgtcgatt gaatcggatc agagggtcaa 240
 cattcaattt tgagcgtctc gatatacgaa ggaactcaat cacacatgcg agntaaaagc 300
 tattggcggt cgaatatgct cagagcttca atcttcaatt acgagcgtcc ctttatatta 360
 cgggactcaa tcaatca 377

<210> 11219
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11219

gcgagtctag cagagaaaaa gggtataacg ttctcggtt ttttatgtgg gttgcaagcc 60
 aaagtgaatg ttggtatagc agcaaagatg ggttgaagaa ttttagcattg ccttanagct 120
 aaaggaaaaa agcaaaatga aattggattc gatcccccta gcaaagtctc atgctcaaaa 180
 cttgaagatg ganaaacgtg attagaaaaa aagaaccac acaaagtgat tagttatatt 240
 cttcgagaga gattagtcgc gtaaatacat atatatttta tatcaataac atgttcttaa 300
 aaaaaaac 308

<210> 11220
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11220

ggtatgttac ctttgaanac tgcactatga nactaagctt tattgcaggc ctctgaacat 60
 gtgccacgcg ctcttttttt gagatatatg gggcaagggc tggtcacctt ggcttccttt 120
 cttcaaagtg gtaaaaccac cccacatgtn ggtaggatt gaaaaaaaaa acctttaagg 180
 accacaccct gtaagtggcc ttactccaca agtccttgtc cattcaccta atttgacctc 240
 aaccttattc cccacatgtg gacctcatat ctgaggecca tgtatcacca caccaatang 300
 agtccattgt tagcaaatg aaatctttnt ctagtctttt atactgcact ggacataatg 360
 gtccangctt tccagaaagt taatcttgcg ggcagcatgg tctcatgaat aacttctaata 420
 tcttcagcat gtgatatagg cttgatctat ctgagaatct ggattgatcc tcn 473

<210> 11221
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 11221

gagcattctc gcaaaacaac gtgacccgga ctagtttccc tatgatttta cctangcgcc 60
cgatgaggtt tatcactgac atggtaccac attgcatata ngattgagtc ttagtgtatc 120
tattgcataa cgcttggtga ttgattgata ttgatngatc tagtgatatt gtgtnttgat 180
ccttgagtac atgagtgatg tgaaaatgaa tgacatgtgt ngtgttggtga tgtgatagtt 240
cgtgacacag taatggaatg ccgtgagcta tgttt 275

<210> 11222

<211> 312

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11222

agctgggttg aggcctggct acaaaaattc attgggtttt ctctatgatt cagagggtta 60
gattctcaga gagcacaaat cccaaactta tcacaatggt ctttttaata cacttaggtt 120
gctcactagc tttttacttt tatttgcttt tgaccttgtt acatcaacac actttattct 180
tttctttctc tttntttttt ttaacataca acttatttgt tgttgtgtgt gatgctttct 240
ctttttcttt gcatcccaat tagttccact cccccaaatt tggggtaaatt ttgccttgaa 300
ctatatgctc tc 312

<210> 11223

<211> 260

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11223

acacaccct ctcataacta agctcacctc cttgagaaac ttccttaaga agattcctaa 60
agaatctaga gcttagctac acatacctct ctaatagcta agctcacctc cttgagatga 120
gaagctagag cttagctaca caccnctat aatagctaag ctcaccctta tgacananaa 180
catganaata aaanaaaaaa gccttatnta caagacaact canaatgccc cgaaatacaa 240
ggctaagacc ctatactact 260

<210> 11224

<211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11224

tctctggttaa tcgattacaa gacttgtgta atcgattaca ttcttttaaaa tttgaattaa 60
 aatgttctgt aactgttggg aatcgattac catccatgtg taatcgatta cacattataa 120
 attntaaatt caaatattcta atgactgttg taaatatattt cagctgttgg taatcgatta 180
 caatcctcat gtaattgatt acatgccttc aaaaatatcc aaaattaatc taaaaatgtt 240
 tcaagaagtg ttttggccac tggtaatcga ttacatcctc tggtaatcga ttaccagaga 300
 gtaaattctct tgtaaaaaca ttntggctta nattcattgg ccaaacctct tgttgttcaa 360
 cttggaattc ccttcctaaa tcactagaga tcttctagat gatgtatctt gaa 413

<210> 11225
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11225

agataactcag cttgcaaattg tgggccacca atggctagtt atgagcgttg attaatttat 60
 gcagaagggtg gcctggcaag gagtctagcc ttctccttca agagggggtg aggcctctgc 120
 agcttaagag cctcagcctg cacaggagga tgcttctagt gacatctcag agccctctcc 180
 acctgagccc ttcattnttt aggaggatgt tgcagtaccc gagccatctc ctcaacctga 240
 gcctgagcct gagccatctg caccagtgcc ggacttgcc atttctcagg atccaccatc 300
 tgcaccagca ctagacctga acgagcatgc agaggatcat tcataggatg gttgacagga 360
 tctttatttt cttacacttt gaaaaattta tattattctg tcttcagtac attntatgtn 420
 ntatgtttca attttaaatt tcagttcata gttatat 457

<210> 11226
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11226

gaatctcatc ctttaatcac attttctttt tcgtaccaaa ccaaaaccca attcgctaac 60
 tttttacctc ctttccaaaa tattaattaa taaaggaggg gcacacncta tttangaata 120
 aattaaataa atcaaataca atctattgtc cgaaagagcg cgttgagtt tctatcctaa 180
 atcctacaat nnttcctttc ataattctca ctctctgcaa tttttatttc cttcaaagtc 240
 attggtaagt taaagacatt ttcttttttt aattnttccc catcttagca ctgctcattn 300
 tattagtctt ctacaatttt ctgcttgta tttttaccg aatctcactg ccaataaaat 360
 aatataattc catttatac 378

<210> 11227
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 11227

tgtctgtttc agaataaaca taaaacatcc tgctactatc ttttcagaa cgagcaaccc 60
 caaaatcgaa aggtaatctt gggatttcag tccatttatt tgacacagaa tcatatattt 120
 ctccagagtc cagaggctca tccaagatc ccagacctcc aacagctatc aacaaaaatc 180
 ttttactgcc ctttgagctt gaatgtcac ttttttgctt aaagaatttg tatgtctttc 240
 gactgggcag agacaaagct tcagtctcat taaaagcagg tctgcaatgg cgtctcattg 300
 aaagcttggtg gggatcctca tatacgtctg aaaccccacc aatccttgat cttggaaaac 360
 gtc 363

<210> 11228
 <211> 299
 <212> DNA
 <213> Glycine max

<400> 11228

ttcttgttta tcagaatgaa attacatgtg tagagtgaac cgataatgat gatacctgtt 60
 gcgcccacca atatgtccaa catgatccaa gcctagataa tgaagtatct aaaataaatt 120
 tagtgaaatg aacataattg aaattaaatc ttcattataa agcataatgt aatttataac 180
 ttagacaaaa tacacctttt gtacatggtg aaactagtta acatacaatt gagaatcctt 240
 atactaaaat gaatcttaag tcttgacttt cactgaaaaa ctaaagccaa caatttatt 299

<210> 11229
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11229

tactaagctt ataatatattg ctttgtgcac ggcagacacc ttcttttctgt anttttgtaa 60
 gcatactega atgcatatgt agcaattcgc tctgaacaaa actttgttat tacctagtaa 120
 aatatgagta tcaacagcaa acataaaccc atactgcac aagacagtat caaggtgata 180
 ccttcatgac atatatacat caaagatcac atggaaaaga agaaaaaaaa ctggatagaa 240
 attccaagcg aaaagaactt tacataaaat gaattagccc tcttgaaatc ataaaatata 300
 ggaataccaa atatgttcac tttcttttgc tagcacgata gggaacgtn tgctaacata 360
 tcaccagaaa acaatcatta ttgcaaaag ctctctaata aaaaataaaa acaagttatt 420
 tatctatagc aagctgaatc attcaactgg taatata 457

<210> 11230
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11230

atatatatat atatatatgg atgaggtaat caacacaatg ttacggttgt tagaaattag 60
 gactttgact tcgtgatctg gtttcgtaac agaatccct catttttcac aagtactacc 120
 aatatattgt attgtcatga cttcatgact tngccccggt gcaacttagc tcctacatta 180
 ttgctgact gcagtatagg gctaagtgat cctcaatta actaggctgg tttcccagtt 240
 tcacattttc catgtaattc gaagggttac tatctcaata ccatttgttt ttattaactt 300
 tcaactagat gtttggggcg attattccat attcccctac caaaaaatca gaaacaatcc 360
 ctcgagattt tg 372

<210> 11231
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11231

tcaattaagg tctctaagta ttaaatttgc aaatgggttc tattgttnct taatttttagt 60
 caattgaatc tttttcctca attaggattt gtcaccgttt caaatccaca ttatatattat 120
 tattattttt aaattgagaa aataacaatc caggagaaga tcattcttccc ttatttttgga 180
 atcacatagg aattcaaatc accccagcat tcaacttcgt gggttatccat tctcacgccg 240
 cagaaagggt tatccccctgc ggatagagag actaatcg 278

<210> 11232
 <211> 125
 <212> DNA
 <213> Glycine max

<400> 11232

cccccttgaa gaaacatgaa gatgcatgca gccatactat ctcaactcagt aaataataat 60
 aaatagttaa cttgtaatga tatacgattc tattgtctta ctcaagtaaag agtaagcatg 120
 acaca 125

<210> 11233
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11233

gtttctgttt tccaaacctt gttcttctgc agattacatt tgtgtgctat atcttttcat 60
 tctcttctac ctttgccaan aagaattcaa caaggactaa tcgcctgaat tcttttgtgt 120
 ctctcttctc ctttttccca aaagaacaaa ggactaatca cctgaattct tttgtgtctc 180
 ctttctccct tttcaaagaa ttcaaaagga cacagtctga gaattctttt gattcttccc 240
 tttcccttaa aaaaaagatt tcaaaggact aaccgcctga gatattcttt gtntcccctt 300
 tacaaagatt cattggacta accgcctgag aactttgtct taacacattg gagggtagat 360
 ctttgtgggt acaagtagag ggtacatcta cttggg 396

<210> 11234
 <211> 154

<212> DNA
<213> Glycine max

<400> 11234

tcttgcaggt gaatatactc ttaaccatct tatggagttc catattgtgt gttccaccat 60
gaagcctctt gatgtccaag atgagcatat ctttctagag gatcttcctc attctctata 120
cggagtggct aaagatcggc tctactacct tgct 154

<210> 11235
<211> 490
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11235

mnnnngggga ctgatgtcag ttantctctg acnancnna ncnanggnnn aactgngctg 60
tatagatgtg cgtagaattg atttatatct atatgtgtng aaatgcgac ttctcaagc 120
aattgccata gtggcatgca tgctancatg gtatgtatct tacgggttct cctcattctc 180
ctgtacacta tattcactaa tgggtcaattc attgttctcg ttaagcaagc tactcacgtc 240
gtgattgaca tanaaggata tnggcattgga attgcaaaa gagcagctta gagttacctt 300
gatgtaaagt tnggttgact taattctgaa tcaaaaaatg agattgagat gcatacttaa 360
attaatatat ctgaatcaca ttagcaggat ggtcatggaa tagcaacagc tacctcttcc 420
ttggtttgcg tanaatttaa aggttagtct aattaatata atcngaata ttgaatgtac 480
tgacatgttg 490

<210> 11236
<211> 210
<212> DNA
<213> Glycine max

<400> 11236

ccattcacaa atcaccattg gaataacttt aggataataa ttttaaaaat aaaaaccttc 60
cattatttga taggtggggg taaaatgacc ttctaaaaaa attactttgt cagtacataa 120
cctttttctc tatcttatta gtgaaacaaa caaaaaatac catatgatgt aatgggatca 180
tatcttatcc tatcatatca tatcttgata 210

<210> 11237
 <211> 504
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11237

naaaaaaannng ggagaaattc gactacgact acgtgaaata anaaactagc cttgatatag 60
 ctgggcgggac atgatttgag actttagtagga ttcaatttgg gcaaaattgg atgagggaaa 120
 gagtgggtttt cgaattctgc actttatgca gaattttgct gttgaaatgt gcagcanaaa 180
 ttttgtataa gtgcagaana aatgcttgta tatggctgat tgtaaaaacg gtagtacata 240
 tgggggtccn gacattttct agcagatccc aacgggtcaaa atgtagactt atgtactaga 300
 gacttcacgt aaaattttcg agtcgatcca acgggttaacg aattggaaca aaggaaatgt 360
 tactggggta tttgtatgtg aaaagctgtg attatgagtt gtgttttggg cagagttttc 420
 tgcctttgcc ctgttntgct tggttntggt agtccatgat gaattggatg tgaaattcct 480
 ggatgtcgtg ggagcttgag aggg 504

<210> 11238
 <211> 64
 <212> DNA
 <213> Glycine max

 <400> 11238

ggggtgctttc atccacgttg gagcgggtgt gaccgtgtgg gtatctcctt ctttttcct 60
 cgcg 64

<210> 11239
 <211> 215
 <212> DNA
 <213> Glycine max

 <400> 11239

gatcatgcgc taagcgggat ctttaatcgc tcaccgctag cttcactgca cataaaatac 60
 attgattctg ctaaacgggc tcagatcccg gcttaacgaa aactgcaatt tttctgaacg 120
 gcagatctcg ccaagcggta gatttaactc actaagctaa gtatttatgt gctaaaaaaa 180
 accaaacgac tctttcgctt aacgcgaacc gcact 215

<210> 11240
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11240

gagaaggtga aaatagcact ttgccaatt ntcctatatt aatctataat tgagagaagt 60
 tgattattaa acacacaaaa caaaagtata aattatctat tacctatatt taacaaaaat 120
 tacttataat attacaaaac aaccataaaa tgggaaagtt tgatacaaaa tacacaggtt 180
 ttatacacaa aagttagtcg tattcatcga ctaacaactc ccccaaattt acagtttttc 240
 ttatcctcaa gcaaaagaga acaactcact tgtcctcaag tggtaaaaca tgcagtgttt 300
 atgtataaag gtgtatgtat caaaatttat tgattgcatg atgagaaaga tgaagcaatg 360
 tgtacctatc acttgttttc gcaaaatatg cagccttaca aagaggagaa canaatgtga 420
 actatacagt tggatgaagt taatcata 448

<210> 11241
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 11241

ccattgtcgc caagcgcaat tccttacgac cttaattgag gtccatgacg ctaagcgcta 60
 gtcattggcag ctaagcgaga ttcatgtcgg caatatgagc gctaagagag tccctctcag 120
 ctaagcgcat gctcctctgt acttaagatg catcatttta gctaagctgg ccagagccag 180
 gcttagcgag agttgcagct tttctaactc gcagacctcg ctaagcggac ttactctcgc 240
 gctaagctga gtttcagtta aaaaaaatta ttttcgaatt tgaaacgtcg gctaagcgca 300
 cgtgttcgct aagcgagctt gggtgagaaa ccaaaccatct ctcttgctca ctt 353

<210> 11242
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11242

tcaagaatca agatcaagat tcaagattca agattcatga attaagagaa gacttaatta 60
agataagtat gaaaaggatt tttcaaaaac tgagtagcac atggaatttt caaaaaacat 120
gtttaccaa gagtttttac tctctggtaa tgcattacca gattgttgta atcgattacc 180
agtagcaaaa ttgttttcaa aaaatttcaa attgaattta caacgttcca attattttca 240
aaaagctgta atcgattaca atgttttggg aatcgattac cagtgccttt gaacattgaa 300
attcanattc aaatgtgaag agtcacatca tttcacttaa aagccttggtg taatcgaata 360
catttaattg gtaatcgatt a 381

<210> 11243
<211> 227
<212> DNA
<213> Glycine max

<400> 11243
ggcttgcttg ctttggttcc aattgctgga acacagagct gccactctcc tcaagaaaag 60
gatgtagaat ctgaaattct gataccaatg acagatgtcg taccggatgt cagcacatca 120
cgcttcagaa catgcagatg atatttgaca gtttgaacag attaaacaag ttaataacac 180
aagagaattg ttaacccagt tcggtgcaac gtcacctaca tctgggg 227

<210> 11244
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11244
tgcttctaca tgatcgacta ccatatgttn tgtcaatgac ttcattgtatt aaatcaaatt 60
tgtgtggtat acctcttgca caataagctn tcaaggtaca accaaaggaa ttggattgtc 120
cgttgtacta aggattcact aaaaggctct ggatgcaacc ctttgcaaaa accaaccata 180
ttcattcttt catttggtc caagactcgc actattgttg cattgaaatg agtcaaaagt 240
tctttcaggg attcaactgt ctactaaagg atgtcaaaga gatcgactgc cactgacaac 300
ttttccttgt tggccacaaa ttaagtagtg aagagactca acaattcatt gaaatgagaa 360
atagacctat cgactagtcc actanaccaa tccaacacga cacttttagt gctcctacat 420

ggaatttaca gcanagagca tcattac

447

<210> 11245
<211> 244
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11245

tgttttgaag ctntgtcatc cataggcgtc aggatgtact gactatggtc attgggcat 60
cagaacaccc tgattgtgtc tgtgctgctg gagctgggtg cacaatcaaa caacactttg 120
gactggctcc aaggacctcc cacatgtctt cgtccatggc tcccgaagag ttggagcaac 180
tgacgcanaa aatcatggac cagctagagg agtcaatcat aagaaaagtg actcaacaac 240
taat 244

<210> 11246
<211> 244
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11246

tcatatgttg tctacgaatg tgggcatttg caactttaat ttaaacttga gggcctccaa 60
attaagcatc cgtgcgtgag cgttgcttaa ttacgaacct ccctaataga tattcactcc 120
accactttct ctttttcaat tggcacatg acgaacttgt taatttctct aagctcacat 180
tcacattccc acaatattaa tggagtgtnt caatatgagc ttttaattaga aagcttccca 240
taat 244

<210> 11247
<211> 512
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11247

aaaaatgagg aaccatttga ngcatctctc nnttanaata canaanccnn ancgacttcn 60
aannaaacag caatacgcct gaggaggctg aggcttagtt ttgtnttngc aannccacna 120
ngcaggaggg gcaagccaag aatgccagcg gccaaagatg ctcgcatann gagaagagca 180

aaaatgagtg atgtgtataa ttgaattcca tcgaaaatat atttaaagag tcgctcaatt 240
 gtggatgctc ttacatgtac cttacaccag actcatgaga gcgagattga catataataa 300
 catctttgat attatgaact caacgattca tcaactctta tggtatcact ttcttttttt 360
 ctatctaaga ctttgggtgc caatattaga ttagacatta caccggttta attcgagctt 420
 gatatgacca tcatacacat aaactagaat ctaanaattc ccttacgaca tctctaacat 480
 ttagtgtgtg tcaaaacacc atatatgttc cg 512

<210> 11248
 <211> 346
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11248

agcttacatc tcgcgaggct gagagatcac ctgaagatat tgtgtgnata ttcaatgnnc 60
 naagcnngca ctctcgagct tgggggtattg cccactcaaa agttctgtag ataaacttga 120
 gatgcttatt acaactcgat ggaaccttcc tanatatattg gctanatcaa gcatacttga 180
 caattgccag ttgatttggga attaagctag caaaaataatg tgctccaagg tctaaggttg 240
 caagatcttg caatgatgct atntgtatag ggacatttcc agaaagatta ttgttattga 300
 gagaaagatg gaacaagtag gtcanattac caaaatcttc tggaat 346

<210> 11249
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11249

taacacacta aactgaaaa agagaggggg agaagaaagg aagatnttcc ctgacatggt 60
 ctgacattta tgatgtggca ttacgaaatt gactattatt tccatctgaa tggtcatgcc 120
 tcaggctatg caaattgctt atatcattgt ctggtgcaac aatgggtgct tgctttctac 180
 tgggggaact ttattttaaa tgttcataca cagttcacct gctaactcgtg catctcattt 240
 gtaattttta aatgagaatg ctttctttat tt 272

<210> 11250
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11250

tcgaagccct ctgtttaagg ctgaggctcc acacctttct ttggatacta tctgctgagt 60
 ctgcttcctt caatcgactg tctgtggagc gcgcatacaa gtatcgccct gttaagggtg 120
 tggaatctga acttcgcggg cagcagtggtg tggtttactt ggatctgaag cgggaggagt 180
 gcaccaatnt gttcccatct ggccgagtat attcacaggc attccattta ngtggacaag 240
 ggggtgctctt atcagcacat tgcaacatgg accaacagag ctctttccat tgctttggcc 300
 tgtttctatg aatgcangat aagggctcag ttagctttgc cgtgactat gagtttgctg 360
 ctatgtcaag gccaacagag gaatttgta gcaagtacaa aggcaattat gtattcact 419

<210> 11251
 <211> 238
 <212> DNA
 <213> Glycine max

<400> 11251

ataatagcct aatttttttt aattcaccaa aaataaataa taaattttta taataataat 60
 aataaaggtc cgaactotta ttcttcatt tctccctaaa cttttctttt caatcaccca 120
 accacaactc tattacaaga taactcctaa tggttgtcca ctatctgcat gtttggttg 180
 aagttaaaaa tattatatgc gcttttatac aaactacgga taagataaat aaaataaa 238

<210> 11252
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11252

acacttagaa actcaagctn tctagccac caagaataga tcaattgcat ttctgtaact 60
 tctatataca ttttccaaaa tgaactcatc ctgttgatga aattccattt tgagtgtgtt 120
 gtaacaatgt tgttcttcat gtcatgttca ttgttagat cttcatgtct gcaacattct 180
 tcttttcctt tagttgttga ttatttttta tggcttgaat tttttctctt catctagtga 240

gcatgttgac ttcttcatta caatagacaa ccaaggacac tntaagtctt cttttgtgct 300
 ttcaagttta tcatccttta tgagtgttc atggcatccc tgagtttact tcaattgttg 360
 ttattttcaa aaattgteta ttctaaacac acttaagcaa actcatcaat aggcataaaa 420
 tcat 424

<210> 11253
 <211> 262
 <212> DNA
 <213> Glycine max

<400> 11253

cttaccctaa ttactatgg ggagcatctg tttgttggga tgagaccctc gcttaatcac 60
 tttgaggtac ttgacgcca tcattaggca atccgtgaag ttccgcgaca tgtcgggagt 120
 tgaaagaacg tgttaagacg caatccataa agttctgtaa catttcggaa gccacagaag 180
 ggatgattgt gtaatccgta aggtttcgtg acattacaaa aagaagacaa gtatcgttac 240
 ataacgttac ggataaagaa tc 262

<210> 11254
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11254

ctggcgggac atcttgactt gctttgcaaa ctgactttat acactttatt ctgccttcnt 60
 ctattggcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcatgcctc 120
 ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcattcttct ttggaggata 180
 gacatgtgga ggagtagctg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240
 tgctgccctt cattagaact tcaactcttct catttgtcac caagcattct gactntgtga 300
 agtttacatt gaatccttca tcacacaact gactgatgct gatcacgttt gcagtcagtc 360
 ccttcacc 368

<210> 11255
 <211> 259
 <212> DNA

<213> Glycine max

<400> 11255

atccttggcc cccttagaga ttttgtaaag atgtctgcta gttgatcatt agaactaacg 60
aattcagtaa taacttcctt agaaaggact ttctctcgga caaaatgaca atcaattcaa 120
tatgtttaag tctctcatgg aatatgggat aaaagctata tataggactg tctgattatc 180
acaacatagt ttcatttggt gagtatttcc aaacttcaac tcttgaagtg tttaatccca 240
tgagacacat gtgactaca 259

<210> 11256

<211> 360

<212> DNA

<213> Glycine max

<400> 11256

ttttgaagat aacatcatgg atcaatgtat ataccagaag gtcagtggga gtaagatttg 60
ttttcttgtg ttatacgtgg atgacatttt gcttatgact aatgataagg gtttgctata 120
tgaggtgaaa caattcttct cgaagaactt tgatatgaag gatatgggag aaacatctta 180
tgtcattggc attaagatcc atagggaaag atctcgaggc attttgggtt tgtcttaaga 240
gacttatatc aacaaagttc tagagagggt taacatgaaa tattgttcac caagtgtagc 300
tcctattatg aagggtgaca aacttgattt gagccaatgc cttaaaaaat gattatgagt 360

<210> 11257

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11257

ctgaagatcg aagaccgatg aagaccgaat gacgaacgtc gaagaacggt tgaaaccttt 60
gcgaaattcc tcacggagaa ccgtacggaa acgtttcgga agcgctcgg cttacatttt 120
cttcacggaa acaatgcttc caagcaaatt cgaaagagag agaagtgcc aaggggctga 180
acccttcct tcttactta ctccgctatt tatagcanaa taggggaggg tgggtgccgc 240
ccagctcgcc caggcgagct cagctcgcca ggcgagccag tntgcttcct ccagagcaac 300
aagcctctgg atgaatcttc tggagggcca agtgggcctg ggtgcctatt tcaccccat 360

ttttactaag tacaccccct gc

382

<210> 11258

<211> 440

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11258

ntganaatat aatatcttga tttctaaaat acttattttc tctccccctt tgtaaacatc 60

aaaaaggcca aagtgcgcaa aacatgaata atttaatcat acacaaagca taatttgtaa 120

aacaaacata aaagattctg aaacatacat aaagaaaaac atgaataaaa ccaaattgaa 180

atgcaaacca cttagtcata taacacaaac cataaatatc atgttcagtc atactaagca 240

aatattaaaa gaaatactaa gttttcaa at gtcataataa tatagccaaa tacacggcta 300

gaaaacaaaa tactaataat aatagtaatg tctaaactga tagtggtggt ggaggtaa at 360

taagggagtc acgaatgatg gtgaaatctt cttcaacctt tgtgatcctt gagtncattt 420

cgtcgaatcg cgtgtccact 440

<210> 11259

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11259

ntgcacaatt tgcctaattt ccaaggctta tgttggtgtc tatcaccctt actatcatca 60

acttatgagc cattgctata tataaatagg ttaagggagg gaccattat ccatttccta 120

tcaagaagca cctcangagg gcacaggaga ttgcagctca gtgcaaattg ccctagatat 180

aacttggtga ttatgtgcta aagttttttc tgcattcttg gaacacaaac tttaatgaac 240

aaaaaggatt gttcagatcc atattagcaa aaataaagcc acatttttag agtcttaaga 300

ttgattttgc ttggttaatg gtatgctaaa ccaaactaaa gttcagattn tcctatctca 360

tcattagtat caatagaagc cttctatcaa acaacaaaac tcatttagag tctta 415

<210> 11260

<211> 374

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11260

cttgtttctc aangaaaagn tngaaggga tttagaagat attttggctt ttacatgccc 60
aacttctttg agtggcattt gtattggttg gtaacttgga tgttgcattc taatacattt 120
catagctgtt ttacatcatg catcattata gtgtgtgcga aggaaaattt ctaagttaga 180
ataatttcct cagaggcaaa aactctatgt tttaatcgat tacaaaattg ttgtaatcga 240
ttacacaaag tggttgagct taaagaagta agtctcgtat aggggtgaatc cattctagta 300
gtacgttaat tgaatcactg ttgtttgaac aatgatgatt ttttcaagaa tctctgctta 360
attgatactt ctcc 374

<210> 11261
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11261

tacacaaatg cttgntgtct cntgtctagg aaattcttgc ttacttcttt gacaaggctc 60
atgagggttt ctccaagtgt catgcacata caatgatgtt agttggctgt tgctatttgc 120
gccaaagcaa aattgttact aaacgaataa taatattcaa ttcattcttt tctcttgca 180
agtgtttgtt tgtcttatta gaggtcatt ctcgatcaca ctgtcttgca tttataaac 240
tatcaatcaa caccttgtaa tagaaaaana aagggaactt ttaaagggtga taacatcctg 300
tgagagagag aatataaata taaagggtaa taccatacaa cataaagaga gaaaaataaa 360
anagtgttaa tgagaatttt tttttaagac atagagtatc ttaaattcatt actcttcaaa 420
ttaaattgtat tanaaatatt aaa 443

<210> 11262
<211> 207
<212> DNA
<213> Glycine max

<400> 11262

agcttcttat aaattagagc gagccataag tatccaatag tctcatggat ctttaccggg 60

gagaccggaa atttttcttcc tttccttgct ggcaagtgat tggaggcctt ttttccttac 120
caggattgat taaccaccta aagaaaaaag aattgacgta ccttttcctt gaaaagccca 180
cttaaattat tttttccatc tactcta 207

<210> 11263
<211> 201
<212> DNA
<213> Glycine max

<400> 11263

accttgtttt aggcctgctt ccaaaaatcc atgggttttc ctctatgatt caaagggttaa 60
aatcctcaaa aacccaaatc ccaaccta atcattgggtc ttttaattcc acttaagggtg 120
gctcactact ttttaccttt aattgccttt gaacctgggtc catcaacaca acttaatcct 180
ttctttttctc tttttttttt t 201

<210> 11264
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11264

gcttctgaga aaacttctctt gagaagcttg tgtgagagaa cttttcttgt tattctagag 60
cttagctaca cacaccgctc tcataactaa gctcacctcc ttgagaaact ttgcttaaga 120
agattcctac agaattctaga gcttagctac acatacctct ctaatagcta agctcacctc 180
cttgagatga gaagctagag cttagctaca caccctctat tatagctaag ctcaccctca 240
tgacaaaaga catgaaaata agaaaaaag tccttattac aaagacaact caaatgggcc 300
ccgaatacaa ggctaaaacc ctatactact agaatgggca aaatacaagg cccagacgaa 360
gganatacct attctaatat ntacaaagaa tagcgggctc atacttagcc catgggctcg 420
aatctaccc t 431

<210> 11265
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 11265

agctntttatc tgatttttgta accgccaat ggtgtttgaa atggtgtaat caataactat 60
 atattggtaa tggattacca gtgtattctg aacgttgaaa ttcaaatacca attgtgaaga 120
 gtcacattttt tttcataaaa ttctttgtgt aatcgattac atggtttggg taatcgatta 180
 ccagtgacaa gttttgaata aaatcaagag atgtaactct tccaagggtt tcaagttttc 240
 tcaaggata acttttctat ggttttcttg accgactgaa gatctataaa acagaccttg 300
 cttgctttca ataacttttag atatctttta cacctttgaa ttcttgatca tcttttgac 359

<210> 11266
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11266

caaggttcat caacctccat ttctccgaga atacgactcg aacgcaacgt gtgcttgta 60
 cggagaagcc cgggcgcgtt ccattgagca tggtagggct ctgaagcgaa ggtgcaacgt 120
 ctaattgatg cgggctggct ganatntgag gagaatngcg tgtaaatacct gacattgaca 180
 agagatgccca cacatggngc aattttgaaa gctgttgtag ggtgtcctaa tgactcatca 240
 nggtttccaa gtttatgccca ttattgtana ccacagctac aatgttaaata gaaatggata 300
 aagttgatat ctgtgtccct catcctctca caaacgcatg tttgcttatt caactttcat 360

<210> 11267
 <211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11267

gaggctgttt ttttttttg cncttataga agaagaatat aagaaggaat attgtaataa 60
 gcttcacca taagctaata ttagtcaatg agagaaagct atttcattat tccttcttat 120
 tttctatgtc ataagtgtgt atggaaaact tcttcaaaca aggcctaatt aattttgttg 180
 gtttaagaac agagaattcc ttagatgaac ataagattct tcaagcccaa gcaccataat 240
 ga 242

<210> 11268
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11268

ggactttaac aacacgagtt ctattttcat tgcnagtgat gcctacccaa gatgaacaga 60
 ctgaggtgga tggattccac ataaggtttc gacggtgggg gacagcatta gcaaaattaa 120
 gataggcttg cttatctgaa cttatatcag caatagctag agggaaaaaa ataactatga 180
 caaaaagaac agaagccact gaagtacaac agaacttcat ggagagttgt ttactgaaag 240
 gaataagata tcgacaatta aatttggagt a 271

<210> 11269
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 11269

cacttagaaa ctaagctcga cttgccgtaa gcgagaggtg cactgagtgt tcttctatct 60
 ctttcaattc ttottcaggg ctgtttcttc aatttgtgta ttaatatctt tttaaaacac 120
 tggaaatctt tttttttttt gtttacttgt actaataaga aagatacaaa gatgccaatg 180
 ttttagctat ctcattaata agaatagtga agtgaagaaa tgattctcat tattaaccaa 240
 aaatagctat caaattaacg cagattaggg aggtatcaat aatatataat ggtcattgca 300
 gaagagcatc atttgattaa aaaataatat tctttaatga gataaagaaa tatctaacia 360
 cttttgagaa gtacgt 376

<210> 11270
 <211> 265
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11270

tcttgctatt gcaagtacca gaatggtggg tcctcagtat attgtttggg agcatggcgc 60
 tacccttgct aatgggcttt gtgtggaaaa cggatgtgca actgccatgg tggggatgac 120

tctttgcttt tggtaggct tttattgtaa cccttcctat tgggtgtcatt caagcaacta 180
ccaaccaggt accatctcca ctattattnt gatgcagagt gggaagcaat agaggtttaa 240
cattttaaca cttttttttt ttttg 265

<210> 11271
<211> 459
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11271

aaaactaagc tgtgtggggc aagtctctta tagataaaga tcttctattc attcctcatc 60
acgcttcccc ccactaatcc ttngatatt cttctattnt atcttcgaaa tgagagttaa 120
aaactacttc cttanaatat taagatatgt taaaagagtt tatctagttt aattaatggt 180
attttatata cattgatccg agaattgagt cgggtcaa atgattatgt gtcaattata 240
tcatatgggg taatattctt cttctattag tccaatgggt tatatgcatg ttggccaggt 300
gtcgtgccct atgcagttgg ttatgtcttc ctgatgggat tgggtctgact tgtgtgttgg 360
ttgttntgga ggccaaacac agacaatcac ttctctttat cgtccgtgtc accctttcat 420
tntgcttaat ccctcatgcg tgtacccttc gtctctaag 459

<210> 11272
<211> 463
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11272

cccactcaan cggggacggt ttncgangnc annccaatn nagctcgncc cgggatctc 60
cnaagcgacc ggaggcaggt gtcctttcta ttagaaanan naactggcca aggaagccta 120
tcaatattga gaatgtgata aataaaagtc ttttaaacac tattttgtca gtgcttctct 180
aaaatatggt taaaatataa atattgttta atccactgag gaattgcttt aataaatcat 240
ttctcattat ttttacatta aagtaaaaat gttgcgtata taaagtatac gggacggaat 300
tcggaaaacc attcaagggg gtagaatttt tgtttactct aactatttaa atatctaaca 360
aatacatatt aataatcatg acttttatatc attatatatt agttgtcaca taagactaaa 420

ataatTTTTat tTTaattatC cagaatgaat acctgtCctC tgt

463

<210> 11273

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11273

gaaactaagc tagtatcaca gngctaccca agaggTTtat tgTtactata ctctaattcct 60

tgaagttggT ccagtggTgg gatgttcatC tccttacgtt ttgtagctgc catgatcact 120

accactttg aaactctata cttccttaca aatcctactg ctttatgaag cacactataa 180

gaagtataaa caacaccaag aggacaagag aaccacaaaa accctaccca tattcgaaaa 240

ccaagatgca tggagaatgc aaattggtaa tgtccacact gtcaatgatC aaattgatta 300

tatcatcact tgactaagac acatcatata tctacttcac tgtctgagga agcaaggact 360

gagcatcgcg attctacaaa acaacatana gaagtagata taacttataa ccacacattg 420

gttccatctt a 431

<210> 11274

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11274

ttctttatTT aaacaaatTT tcattaaatt aattaattag taataaataa tgtagatatg 60

ttttaattnt taaatgacat ttctaattta ctaaggcaat aataatataa catttctgtg 120

gaagcanagc taccatgatg attcaccaaa atgtnttgat gatgccaaag ctcanagagt 180

tgTTTcaaga ttaaagaatC aagcattcaa gattccactC aaagattcaa gaatcanatg 240

aagaaatcaa gaagcatcaa gccaaagtcaa agtatgtggT aaaaagtatt tttcanaaaaa 300

catcaaatag cacactttnt gttnttaaaa ggattttctg aaatcttcta agtaccagaa 360

gtttactctC tggtaa 376

<210> 11275

<211> 369

<212> DNA
<213> Glycine max

<400> 11275

cttcgattca ttctatgtac ccgtagtggt ccatcattgt gtttcgtgca tttctattct 60
cggtgtgttt actttttata cccctgttg acgtgcttaa gccattttac ttaagtcggt 120
tctcgcttaa cttaaaaata aaataaattt ccaccgaacg tttgaattgt attaccatt 180
aacttcggtt aaaataaatt ccgaccgttc ggtcatgccg taaccgcgtt ggaaatcaaa 240
aagaggtaaa aataatataa taataaaaaa aaacatcttt tagtaaaata aagcggaaaa 300
tcaatcggac gttttctctt tgggatatct cattcttaat cgaattgatt aataactaaa 360
gtgaaacta 369

<210> 11276
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11276

atcttttttc gcaaaaatca ctaaagaccg ttttaaggtc caacgcctta tacggtcctc 60
tttgctttta tcgattaaca tggaccgttc anaagcataa aatcaacatg taactntact 120
gcttttgcaa gaactacgta ngtctgattt tcttatcgca attgatgata cgtangagca 180
aaagccccgc ttttgctgac caccccaaga gatcattaat ggtccaacgc cttaaacggt 240
ctctactatc anaaagcaag agatcggttaa tgttcaacgc cttaacggtc tttcctttca 300
aaataaaaga tcg 313

<210> 11277
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11277

tgcattgtgc taagcctaaa gaactccctg ttttgaaata ttttgtaattt gggctaagcg 60
cgcaagggca gctggctaag cttgcatgtc gcgttaaacc taaaaacatc tttgttttgt 120
aatatctcaa attgggctaa gcgtgcaggc acaggctaag cgagtcatgc attccccgta 180

agcctgtggt gctcgctaag cggattntgc agganatttc ctcttgcaaa actctctaag 240
ccctatgtgg catgctaagc ccaataatat ctctgaagtt gcaatttcat ttttgggctt 300
agcgcacaaag tttgggctta gtgcgcaaaa aaaaaaatca aaatttcttg tacttctatt 360
ntgggtatgtc tctacgcag cangcttagt gcgcacttac acgctaagcc ttagtgttcc 420
tcaatgtttg tattttt 437

<210> 11278
<211> 229
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11278

attcttttct tttggctctc ctcatagttg ttgcatgaga aaacatgctc tattttcatc 60
tcccactcca agtaggctc cggatcattc tttcctttan agggaggaat gttgagttta 120
ataccatcaa ttcggttttg tctaagaaca cctcattcc ctcttctctt cttttcttct 180
tcattatgat ctctattctt catttgatcc aacctctcat ggagcgcat 229

<210> 11279
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11279

ntaacctcat catctctcat agactttatg atttggtagc tcttccaatc cttgtgtccg 60
gactctcagc cacttatgat agccgccaat gctccatta ctgcttcccc taagctctct 120
gtcctttctt cacaccgcat cacatgcctt gtgaactcct tagagtacct tcgcattggg 180
gtcactgaaa ccccggtgaa tgaaaggcgt gatgctttcg tctaattggca ctctcttat 240
ggggtagcca agctgtctta tggcgaggac aggattataa tttatacaac cccttgctcn 300
cattaaggga acatttggaa atccttcgca tgaagataga atcctgatt 349

<210> 11280
<211> 323
<212> DNA
<213> Glycine max

<400> 11280

tgtcaggggtt ggggtttgggtt caaggataaa aggggatgccc cacattatgtt ccatgacaca 60
aatgcaaaaa tgatgatttg gaaattttat gcaaaaactgg tcatgcttcc acctatgtgg 120
accctcaatg gtcaaatttt aatggccatc tctattttaa atcaacccaa tgtttccaaa 180
tatgttcttt atcaattgtg catcatccga tccattttgg cgtctgggaa atcttacaca 240
ttcacctca gtgatcacat ttttcaaac tagtatgatc aggaattttc aaagaaagt 300
ggaagctctc tttcaaagca tgt 323

<210> 11281

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11281

tggttttctc gaccagacat gaagagttta ttttagcaag accttgactg gcattcagag 60
agcttcttga acaactctta agacaccttt ganaccttta caacctttac aattctctaa 120
gaattcattc acaatcatct ntcttcttct tgctttgcca aaaagctntc taagtgtttt 180
gtttccaaac cttattcttc tgcaagtga aattctgcag aaaacaaaag tgtgctatat 240
cttttcattc tcttcttctc ttgccaaaaa gaattcaacc aggactaatc gcctgaattc 300
tttttggtgc tctcttctcc tttttccana gtatagaggg accaaccgct gattctttgt 360
gtctccttct cctttccaga gatcaaggac tatcgctgag aatcttngat cttccttttc 420
taac 424

<210> 11282

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11282

tactcaagct tagccctaga ggggatgaac cttttcagtg ttggagagga tcaataacat 60
ttctatang ttggacctcc cagaagagta tggagtcagc atcactttta acatttctga 120
tntaattcct tttgcaggtg gagctgatat tgaggaggtg gaactaacag atntgaggtc 180

aaatcctctt caggggaagg ggatgatgca atccttccta ngaagggacc agtcactaga 240
 gccaagagca agaggctcca agaggattgc gctagagctg ttgaagaagg ccctanggtt 300
 ctcatgaacc tcanggtaga tttcggagcc catgggcoaa ggttgagtcc aattatctnt 360
 gtgcatatta gactaggatg tcattatatt cgatccttgt gtttaggact ccataatgta 420
 ngtagggtat cctagaaata t 441

<210> 11283
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11283

ttcttttatt ctatatatnc tccgcgagtc tagcagagaa aaagggtata acgttntcgg 60
 ctttcttatg tgggttgcaa gccaaagtga atgttggtat agcagcaaag atgggttgaa 120
 gaatttagca ttgccttana gctaaaggaa aaaagcaaaa tgaaattgga ttcgatcccc 180
 ttagcaaagt ctcatgctca aaacttgaag atggaanaac gtgattagaa aaaaagaacc 240
 cacacaaagt gattagttat attcttcgag agagattagt cgcgtaaatc aatatatatt 300
 ttatatcant aacatg 316

<210> 11284
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 11284

tgctcaatca gcccgaactc ttctctatgc ttttgtttta ttctcactgc aacactatag 60
 gattctttca acctctcaag tgcaaggata agcagcttgg tatcatgctt atatgataaa 120
 ggtggaaagg gaatagggga gaacttccta tattccaacc aatgtacagt tgttgatatag 180
 atagcaacag cttcttcagg agtaacatat ggaccatcta tcaaataatt gagtggacgt 240
 tcttgaaaca cgcacatg atgacgaagt gacttcaatt attaaaatgt ctatagaact 300
 aattcaaaca acatttcggt caaaatagtg agcctgcaaa ggaatcatat caatcataga 360
 gaacactgaa caca 374

<210> 11285
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 11285

caaacaacaa taacttttta ctggaatgtc tgattgagac ccgtaatata tctagatgct 60
 cgaaattgaa taccgaagct ctgagcaaatt tcaaacgaca ataagttttt actcgtatgt 120
 tcggttgagt tccgtaatat attgaaacgc tcgaaattga agaccgaatc tctgaacgaa 180
 ttcaaacgac aataactttt tactcggatg tctgactgag tcccgtaata tatcgagacg 240
 ctggaattgg aataccgaag ctctgagata attcaaacga cattaacttt ttact 295

<210> 11286
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11286

ncgctattgc atttcgagcg tctggacata taacggttatt ttatcatata tccgagttaa 60
 aagtgattgt cgattgaatt tgctcagagt ttccacattc aatttcgagc atctcgatat 120
 attacgggac tgaatcagac atccgagtaa naagttattg tcggttgaat atgctcagag 180
 cttcaacatt caatttcgag cgtctagata tattacggga ctaaatcaga catccgagta 240
 aaaagttatt gtcggttgaa tttgctcaga gcttcggtat tctatttcga gcgtctcgat 300
 atattacggg actcaatctg acatccgagt aaaaatttat tgtcgtttga atttgct 357

<210> 11287
 <211> 253
 <212> DNA
 <213> Glycine max

<400> 11287

caataccttt ttacaggaat gtctgattga gtctgtcat atatcgagac gctcgaaatg 60
 gaatgttgaa tctttgagcc aatccaaaac gacaataact ttttaactcg gatgtctgat 120
 tgtgtcccgt aatataacga gactctcaaa attgaatggg gaagctctga actaattcaa 180
 acgaacaata acttttaact cggatgtctg attgagtcct gtcatacatc gagacgctcg 240

aaattgaatg ttg

253

<210> 11288
<211> 439
<212> DNA
<213> Glycine max

<400> 11288

actcaagctt aacattcaag ttgagcgtc tcgtaatat actgtacttt atcatacatc 60
cgagtaaaaa tttattgtcg ttggattgg ctgagagatt caacattcaa tttcgagcgt 120
ctccatatat tacgggactc attcagacat ccgagtaaaa agttattgtc gtttgaatta 180
gcttagagct tcaacaatca atttcgagtg tctcgatata tcacgagact caatcagaca 240
tccgagtaaa aagttattgg tcgttgaatt ggctcagagc ttccacattc aattttgagc 300
gtctcaatat attacggggc tcaatcagac atccgagtaa aaagttattg tcgcttgaat 360
tggctcagag cttcaacatt caatttcgag cgtctcgata tgtgacgaga gtcaatcaga 420
catccgagta aaaagtatt 439

<210> 11289
<211> 258
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11289

tcttctttta ttttatactc gagaagtatt gagtgatatg gatagctaac taaccattaa 60
ttaattcctt tcatcttttt ttgtttttaa tttatctaatt tggttgtcat ataaatatta 120
tgtcaatagt ttatatgatt atcacgtcaa tactaatatg tcatgttaac tagcgggtcaa 180
tcttgacttt ggacgggtgaa ccaatgaana gattanaatt atttatttta acaaataaaa 240
gaattaacat cacatatt 258

<210> 11290
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11290

gcttcacagt caagcactaa gctgttgaat aaattctcat ttagccagtt tggataaaat 60
 tttgaataat tacttatagt agaagaaaat aaaatgaatt gaacttcact tctctcgtaa 120
 gttaaaatca acttaggcac ttggacttct ataaaagctc tctcatccga cttctccgaa 180
 aagctgagat atattatggt ttctcttaca tgctacaagg gcatattaag aactttatct 240
 aaactgatcc atgggtattta attaaattgt ttactctaac acaccgtag tatcagtatg 300
 tcgaacagat aataaaattg attntcctaa atcatgttac aaaagaagac aactctccaa 360
 aaatccatga taattgatgg tagtaaaa 388

<210> 11291
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11291

tntttacatg catatganat atccatttat gcctttaata tcaatggaat ggtttaacat 60
 gaattcttat gtcccttcaat ttatccattt taaaattttt tggatcctat tttgaatnta 120
 aatatttttt aaaaaattat cggatattaa tagtatTTTT caatttctga caatgggttac 180
 cctcttcttg ngccgaaaat tgctgtcagc cctntggcag aaggaaatct tcacatgttg 240
 tagtttgact aatgctcttg tcaactgcata ttgaaataac cttgcccaacc gataccactt 300
 gaggtatca acgcgtcaag ttttgaagcc ggaaaggaca caaagttatc atccatacct 360
 atacatcatc tcatacactt catgttcaag ttan 394

<210> 11292
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11292

atacaagact caagcttaag atgaatgagt gtatgatcaa aatgggtgtt ttatatatgc 60
 actcatgttg gtgccacgtc acctcaagaa ggggacatta catgcatcag gagccagaca 120
 gtcatgactc atgtgcacat gagaaaacta gaaaactatg ttgtattgat tgatcatgtt 180
 gcatatcaat gtagcataga gaaaaagtta ttaatagcaa taattaaaga aaaatgtgtc 240

tatgtcgata ttgctcgtgt gctctggcaa taaggacggc ttgaagtaag caagatctcg 300
 tggaaatcat agaatctgac cccaaaacct caatTTTTgt gagtgggaca aggaaacatg 360
 acaagacaaa gctttcagtg gatgaaacgt cgagttgcaa taaagtaggg aatagtntg 420
 tgcataatag tgactgaatt gtacaataaa gtggggaata g 461

<210> 11293
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11293

agctcggacc cgggacctt ggaggacca gatttatgca tcttattctt tagagcgcca 60
 acgaactagt gggatgatta gaacccatag agtgcacaag actacttgat aaaaggcgaa 120
 atatgtactt acaaggatct agcacgctta acaagtttct gttaatatg cttttaagac 180
 tgggtgtattg ctgggaattg agatatgtgc gttcatgaat agactccaca tacatactcc 240
 gcacatatgt gaacaacgaa tnatgtcttg acttgaggtt acattatcat atggcggtcac 300
 taaacaaagt ggcacatatg actaaccttc ctcatttagg aaatacagat atcaaacgct 360
 tataaataca actaacataa ctatgatagg aaa 393

<210> 11294
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11294

ctcaagcttg ttcaagaccg tcacagtccg atgcggccat tgctattatc tctctccca 60
 gngaacatgc gagggttgct tatgccatct ccactcaat ttcatttggg tcaactcttc 120
 ttctcccat ctcataacct tctggtatgt gtatatatac acacaccacc atagtcttct 180
 ttatctcttg tatactcttt acctgtttga taaattaatg tatgtatgta cgtactgata 240
 cccttttata taaatataaa agaattaatt actgattaaa gagctaaaga taaagaggtg 300
 atgatatgtt gattctctct cactctctct ctatctaa 338

<210> 11295
 <211> 189
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11295

atTTTgtTgt tGnaacanac atggTgcCct ggagTgtgat gTTTTtaaaa tagcttCgct 60
 gcgctcgatg cgatgacatt ttagtatgtg aatgcccatt aattcgatgc atgactaacg 120
 agaaccgccc tgacacctac gtaaactcat aaccggaatt gagttgaggt caagatctaa 180
 tctacttaa 189

<210> 11296
 <211> 158
 <212> DNA
 <213> Glycine max

<400> 11296

ccatacaaaa ctgcacagT agagatgttt gcggacaatt gataccttct agagtacctg 60
 gaaaaattgt gaggactact tagaacgtct actgtgaaac cttaccatga gtgtatagcg 120
 ggcgacgata gctaagcata aagggatacg agagtgc 158

<210> 11297
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11297

ttagtcaaac agaataatcc anaaatgtca aagaattggg ttttgaaaaa gcataataag 60
 actttntgtg attggtttaa agatacaatc tttgcagatg aaaatgcttc agaaacatta 120
 agaaagctag tagatgggtc taaaagaaat gttataaatt ggcaaggata caacataaaa 180
 aagtattcat tntacacaaa agcacaagac gacaaaagta caaagtagat tagcagggtc 240
 accctaagga ctgaatctca acacttcaca agtgtgcatg atgccaatcc ctgtgtagct 300
 tccatccatt actttggggtt cattgatgaa atttgggagc ttaactatgt ngaaattact 360
 gtttgtgttt tcaaagttaa atggggtgac aacaacacca gtgtgcgcac caatgatatt 420
 ggatttacgt 430

<210> 11298
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11298

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tttttгнааg ggacnncan aggagnсgat agcagaagca aactcaancc cccaaaaccg 60
gctgggaaga ggaagaaaag cccctactc atataataca tctccacatg agctttatct 120
gacgaacgaa cttaacatat cccattctac tcaatgctat ctgtcatgtg agacttttaa 180
ctattnatat atgaatataa gatattcgga atagcctatt agataaaaaac actctcttct 240
atctctgtct ctatattgat ctctaataat cttttatgac tacatgggaa taaaagaaaa 300
atcatatcta ccttaatggg cattatatgt ccatacgatt aaaccttaaa tatattatgc 360
atctacattc attcatagtc tgaaaaaatc attgtaatta acn 403

```

<210> 11299
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11299

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gatgagccan tttgaggcgc tcgtanagcg acctattact ctcaactgat aggtatgtgc 60
tgtctgtgta tgagacctan aatgtggcct taggtcttgt gtcttgagat gatgtaaggg 120
accggaaaa gctatggcac atttatcaac tggcacagat atgtctgaaa ctcgcaatgt 180
tatggatgct tgtgggagcg tgggcctaac acttactata taagcattgg gtgtgaccct 240
gtggagatgg ccccataccg atcaaggctc tgtttaatga cgagaggcat gagatatccg 300
gcggaaccaac accggagcct gtatcatcag tttcttaaag gagagaagag tgagtactta 360
ctctgacaat aaaatgatct ttgccacaat gtcttaaagc ctgtcaaggc agcgtactgc 420
aaatgaaagg ctgattaaac cagtgaggcc atgaaccaca tacg 464

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<210> 11300
 <211> 239
 <212> DNA
 <213> Glycine max

<400> 11300

tgttttgatc cagtgcatt attacaacaa caatagtcct acatactaca tgcccttata 60
gtttacaaga tgtgtcaact ggatccaaaa ccatagcaga gaagaatgta aataacatgt 120
gaataaaaaac ctgaccaacc aaattgcaaa tatgaatttg ctggtgaaga taggggtagt 180
cactataagt gtaaaaccaa gaaccggatc agaaatgtag aatgatctcc tgtgatact 239

<210> 11301

<211> 497

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11301

gtggggtaac tgaacgtgga nanccatgat actttgatta cgcacnctat naataactaag 60
ccttttgga tgatgcngag atttatgaag ctaggctncc ttctcatgaa agattaccgc 120
tctacgatgc gatgggttctt tctgctctct cttttcagat gatgacaata tttctctgtg 180
ttagtttaac accaagacat gtagacatta tcatattctc tcgcggtga agtagtttaa 240
ctcattgctt tgaaaagcgc gagtatagtc ttttcacgat gtcgattaca tggttataag 300
ctgcctgctg agtacaattg acctgtcgta ttgtctgaac tgagtttata tgtgtgatta 360
taattgcat cacgcagtct tgaatgcata cagagaatat gttatctaata tatgagctga 420
ggctctgacta ctaaacactt aagaataaag atataagttg ttgaatgata gtgacaggat 480
atgaatttat aatgtag 497

<210> 11302

<211> 504

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11302

gaggggcccg ttgcctttaa atgagccatc gatanctncc agatctnana gtcccctgat 60
gcatgcagct ctttatagca ccaccttgaa ccttgagctc acctacgcat accatctcta 120
acatgcattc tctctctctt tagacactac tcacatatgg ttgtttaagg aaaaacacca 180
taactaaacg cgccacaatg catccctatc gcaccaaac caaatccaaa accatgggtg 240

atcaacagga gacacaggaa cagatgacag tgcacatgtc cgctcttaaa gaacagatcg 300
ctttcatgat ggaagccatg ttaagaatga agcatctcat ggagaaaaac ttggccaccg 360
ctgctgctgt cagttcggtt gacgaatcac atccaactct cttgacaact gcgcaccatc 420
ctcgtcata tatagtagaa ccgggaaaga acacactgcy gcatgatggc gaccctgatc 480
tgggatacaa ccgagcggat tacn 504

<210> 11303
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11303

gggaattgag cctgagacca tgactgtgac ctgaaccnnc nnagaagagn gcagtttatg 60
ccgatagttt accctttttt tccccaacgt agggggggggg aaaattcctt aaaaagtgcc 120
gtaccagccc caacatagag actcctgctt agaacagaat ccgacaacca tctcttatcc 180
gtttggggac cacctacttt actaccccaa ttaagggcta tcaagttcac cccctcctga 240
gaggaatcct agactttggg gggttaaacc acaatggctt tgaaggacac agacttgcca 300
aactgtaggg agctctgcca gacctctata tcttggtgaa ccagacacgc tgtcttcac 360
aagccctgn 369

<210> 11304
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11304

tgagatgagg aagtgtngaa tgtttaaact tctgctctt attggtgacc acagagtgg 60
acctggagat atgtcgcggn ggtctggaga ccttgcggac gtcaggtggn gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg 180
tgatgtacct aaacaggcga gtcctcgcga ttcgacagat aaaaggaaca tagaccacaa 240
agcatggagg cttgtggtgg ctggccagct atgaactttg attgatatgt gggttatggc 300
ctctggt 307

<210> 11305
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11305

aacaaaagca atcaactagt caagagtcca tcaatacaat ntaaagggtg aaattaaaat 60
 aaataaataa ataaaaagtt acaacaagc tatatgggtg atgaaagtgt atataatgta 120
 aatcaacttg taactatggt tcaagtaatc aaaactacaa attttgggtg tgtttagtga 180
 taattaacct catcacggtg agcctcaaca ggggtgcttc caaaatcttt atggatggcc 240
 ttaaatatag catcttcatt ctcatgaaca atgtctatga gagatgtgag ctagggtttc 300
 ctccatgta cactcttggg tattgcagtt tagaagatag cctaactctt cactgctctt 360
 cactcaccac catatcatgg aattgac 387

<210> 11306
 <211> 264
 <212> DNA
 <213> Glycine max

<400> 11306

agagtttgat gaccatgtct attgatattc ttggctccct ctccaccctc agtctatctc 60
 acaagcttaa tatttatgac tgtatctgta tcagtatcac tattttggga ttaattttca 120
 ttctacttac acctatctaa catgccatat catattatct tttaatcgcg atgtggatct 180
 cgcatatggt ccattcgttc aataagaaca aattttttgc catgcttctc acataatact 240
 gagagctaga ctttcaaata ctct 264

<210> 11307
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11307

gaagaggcag gcttcctacc tttatttggt gactacagag tggcacctgc agatatgtcg 60
 cgggggtcac gagaccttgg ggacgtcaag tgggggtgcta tttcccaaaa ccaagcttga 120

ccaatcccga cccaacccag gcataatcag tcagtgagaa cctgtgacat acctaaacag 180
 gcgagctcct ggcagtcac ctatanaaga acanagacca cacagcaagg aagcttgtgt 240
 ggtggctggc caactatgga tcttgagtga tatct 275

<210> 11308
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11308

ctaccctcac ctcttgaga agctctcttg agaagctaga gctcagctac acacaccct 60
 ctaataacta agctcacctc cttaagaaga gaagctagag cttatctaca caccctata 120
 atagctaagc tcacccccat gacanaatac atgataatac aaaanaatcc tactacaaag 180
 actactcaaa atgccttgaa atacaaggct aacaccctat actgttagaa tggccaaaat 240
 acaaggccca atagaagaaa aaaaaaccta ttctaattatt tacaagaag agtggaccca 300
 accttgacc atgggctcaa aaatct 326

<210> 11309
 <211> 192
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11309

ttgctntata attgctnggt ctgggagacg aagggcaagt gtgcgcgata tgtgaagatg 60
 atgttccaag tacctcgat ttggttcgac catgccctcc tgatttccag ctgggaaatt 120
 ggcgagtgga ggaacgcccc ggcatttacg caacaagcat aatgtaaacc ttaccgctc 180
 taaaagctct at 192

<210> 11310
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11310

gagagagacc agtctagagt tgaaggcatg atattgtaag acaagttgaa ggcttgtcaa 60
 aggtcaaaga ggagtttggt cgaacaattg agcatgacgg aagataacat gtgggccatc 120
 attgaccaac acanagagaa gctaagtcta gctgcaaccc atgagcaaag gctagaagat 180
 gagtatgcaa aggtatcatt cctgcaagca gaaaaggaag caagagagag agtgattgat 240
 tcattacaca gagaagaaat gacgtggatg gataggttca cttttacctt gaatgggagt 300
 caagagcttc caatactgct agccaaagcc aaggcgatgg cggacgtgta cttggccccc 360
 gaggaagttc atgggctcct cattattgta gcacatgacg gatttgatgg ccacat 416

<210> 11311
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 11311

ctagataaga atcgctcaag ttgtttcatc taaacctctt cttctagatc accattcagg 60
 aacgtcgggt tcacatccat ttgatgcaac tcacgatcaa aatgagctac taatgccaca 120
 attactcgaa gagagtcttt cttagataca cgggagaacg tctctctata atcgattcct 180
 tctctttgag tgaatccttt accaacaagt cattgcttat gtctctcaat gttgccttct 240
 aagactttct ttgttttgaa gacccatcta catctgatgg ctggttacacc aacaaccaac 300
 tcaacgagat cccaaacttg gttagatgcc atagaatcca tgtcatgcct catagcgta 360
 taccagcaat ctgattcctt agaactcatg gcttgtag 398

<210> 11312
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11312

aaggagttga gtcttaaact ccaagaaaa aagactgtgt cgtcaagaga atcatgagtg 60
 cccatggcag agagtttgag cacagcaagt ttactgaata ctgcacatct gaaggatcac 120
 tcatgagttc tctggagcca ttacaccaca acaaaaatgg cataggtgaa agtgaaaaac 180
 atgactttgc aagaagctgc taaggatcatg cctcatgcca aagaacttcc ctattatctc 240
 tgggctgang ccatgnacac agcatgcttc atccacaaca gagtcacact ggn 293

<210> 11313
 <211> 250
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11313

tttgctatca cgatttattt ntcgctggcg aaaggatcta agagggtctg agaacacgaa 60
 tatttgacta tctgctctg atgaatagaa agcctgcgga aaatggacag aataagaaaag 120
 agggagaaaac ccattgctgtg cgtgccgttc ctacatggcc tagattaccg ttagccaaac 180
 tataatcaata cttggccaat atcagtcctt ctcatgaccc tccaccctac cagcataaac 240
 acccaatcat 250

<210> 11314
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11314

gagatgaaat tgaagccttt gaaagcgact gatacatggt tgacacttgt agcacacaaa 60
 gntgtgacag actcaccagg gatatgttgt cctacncaaa gttcttccgt gtgtactaca 120
 gactcaatac atctttgatc gacttgctgc cataacatat taccaccttt gccaaactaa 180
 gttcttccca aatactcagc cctcgggtggc agacctccta tgaaattgac atcccagat 240
 tgacagccag attcccgtgg gtgaatntca aatctaacad tttcgaatcc aagtaatacc 300
 aaactcataa accatgtggg ggcctttaat ggaaggataa ccttgcttgt ccaaggatgt 360
 acggatgggt tatactctgg cctcttgctc agtgtgagtc aggttgacat ttatttatac 420
 cctagggcca ttaataataa aag 443

<210> 11315
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11315

ttctggaacc ctctgatggg cggatttcaa ctccccattt aattccactt aatactcaga 60
 actgtcttct ctttctgtg ttttctctgt tactctctct ccttcaatct tctctttctc 120
 catctttctc ttcataaact ttctcctttn ttctttttat tctttctggt tcttccttca 180
 tgcaggcgat tactagcgat tccaacttca tgcacgcaag ttgcagccta cgattcatac 240
 tgaatatgag ttgttatcgc accacactca ccttcaggta ttcccttctt tctttatctt 300
 tatctttctc tatcactgca acttacacac aggtttgaaa ccttcaacat gaagagagag 360
 aaaaatctat agctatgacc cgtgggactt ttttccggta tttggcaatt taccactcct 420
 tttttc 426

<210> 11316
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 11316
 tctccccat tgtgctataa atttggggag aagtgaagaa gaattgggtc agcctcttat 60
 gcacttctct ctctgtcaaa attgctgagg aaaattattt cctgaagaa aatccaagcc 120
 gaggcgcttc cgtaacgttt cctgagtaa ttacgcgaag attctcgacc gctcttcaag 180
 attcatcttt cgttcttcat tctcttcagt cttcaacggg taagtacctc aaaccgagct 240
 tttcaattca ttctatgtac cctgggtggg tcacattgtg tttcatgtat ttttattctc 300
 agtttcattt gctttttata ccccttttg acgtgcttaa gccatttatt taagtcattt 360
 gtcgctgaat ctaagaataa aataaatttc caccgatcgt ttgaattgta tcgatccgta 420
 attttggtta aaatg 435

<210> 11317
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11317
 atcttgcaga ttaagtngat ccgcgacctt cttacgaatc aacttgatct gcaaagaagc 60
 ttatggatca acttgattcg taacaaagct gtggatcaag ttgatccatg aagaaacctg 120
 atttaaaatg agtaciaaat tggggagaat atatgctctt ctggattggt gcaatattgg 180

atatgtgtcc accattataa aatggatgtg tctgaaatctt ggtgcatgcc tatgatgtct 240
 acccgtcata tttatgaaat tagtggatat gttggaaaaa ctactaatca taatgctttt 300
 aaaaaatatg g 311

<210> 11318
 <211> 532
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11318

aaacgtaann nactggatan ccattcgatan gncccnactg ataccntagn taganaccac 60
 tngtatnacc ngacactcta naatgctcaa gctgggangg ttttattatc acgagcgtca 120
 cgtgttcatg ccacagttga tggccgtggc tatacagagac atcttgcatg acaaagtcag 180
 gtgcacgata gctcacctgt gcttggctctt ccattgctata tgtaacaaaag agattgatct 240
 agcagtgtcc catgagctgg agcttgagga cgcaattata ctgggcccat tggagatgtc 300
 ttatcccgct gctttcataa acatgatgat tcaattgatc gtgcatcagg tcacatagat 360
 cagatggtgc ggtcctgtct atctacggag gatgtaccgg gcagagcgat acatgaagat 420
 cttgcgaggg tatacagaga ctctatctcg cccggaagca tctgtcgtcg agaggtacag 480
 tcgccaata agccatcgga tgggtgctcat aatactgata gatgctgcag tn 532

<210> 11319
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11319

agcttgtagt gttcacttcc ttttgttggt cgaagactat caaagtcgac tttatcatcc 60
 agagacaagc aagtcgatg gtatccgaga cgatgatggt cgtccgtttc taatcatttg 120
 gagntttttc cagcctcttt tgatcatccag agacagtcaa gtcttttgct atttggaaca 180
 caatcaagtc tgatggcatg cagagacaaa tacatttgct tacttccctg gtcgagagac 240
 tcaatgtctg ttgaccaaag ctactggagt ctcccctgct atcccaagac aagcgagttt 300
 gatagcatgc ggaggtcatc acggttatcc atttctttaa tcgctttcaa agcaccaagg 360

ctnttgctga tgcacctgat gtcttttatg ctctttcttt tgac 404

<210> 11320
 <211> 530
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11320

agagaganna nttttgaagc ccctttggag naacanattt gtagtccttc gttttgatac 60
 ctctgtannn acccacacna tngaaactng agctnnaatg gtatgcttag cctgcactac 120
 agtgttctta cgctgtgtat gagtggatgc acttagcatt tatgaacca cttgtgtact 180
 tcactgactg atgagccttt ctgaggatca cgagcttatt tttgagcgca accaccgatg 240
 gccacacagt ccgcatacta gatagggtgtt aagagcaacc acacaaagat ttctgtaagg 300
 gaaatgtacg acttcaccag agcgtccgca ctagaaggta agaagcacac actccaccga 360
 gctaattgta gaaaaggagt tggagaagga cataacagag gcctgtacag atgattggac 420
 aaaattcgtg gcataaacac atggatcggc gtagaaccaa taatngagtc agcgtcgtat 480
 cacagctgca ggaagtccaa acgagggaaa gaggtgcctg aaaaaaactg 530

<210> 11321
 <211> 292
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11321

agcttctttg ttatacctcg atttgtcatc tttccaggcc gaggtcgacc gtgcattttt 60
 tcgatccatt tcggtgaata atattttttt gccgagatgg gcaaaatgcc agtttcggcc 120
 gaataaatgg gaatatgcc gtttcggccg aaacgaagag tcggttgggc tcgcacaaaa 180
 aaacctagcc gacctacatt gtaaattttt tatgcaacac caaaacaaga aaacttcctg 240
 tgccgaaaan aaaaacatta catgacagcg agcgttgtga aaaacaaaat tg 292

<210> 11322
 <211> 230
 <212> DNA
 <213> Glycine max

<400> 11322

cgaccgatat ttcaccgact tgacaatctt ttaaaaagcc gctgtcgata tggctttttac 60
gcagagtagt ttcttgtttg gtgagcataa aaagttacaa tgtacttcgg tgggtttttcg 120
cgcgaattca ccgacatttg ttctgccaga aacatagccc acctctcaaa aaaatgattg 180
taaccgcttc atgctattca ttcacgattg atagaaaccc aataccgaca 230

<210> 11323

<211> 244

<212> DNA

<213> Glycine max

<400> 11323

agtgtctgaa ctgaacctga ctgaacccat aaaagcgggg ggtatttttag agaaagtggg 60
tagtagaaga ggcttagaaa taaggatgac attcgagtaa acaaaaatga acccggatat 120
ctattcatgg gatattatgt ggaagaaaat cctcagataa gctactaaaa atactcttct 180
gtaactaaaa aggtccgtga tgactccaca tatcagattt gtgaaatctc aagctctaag 240
aggc 244

<210> 11324

<211> 508

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11324

agccacgagc cnccttaggt cgatagantc gatagcaatg gcacagccnn ncnngatcct 60
nnacagncac cctgcnagaa tgcaggctag gagattttat accgattttt acattatnnc 120
cgacttaagc cgtcctatga ggccacttag cctgcatata tgtcaagctt tacaatattt 180
tttgctctg tatcattgta tacataacga catggaaact gctagctgtc tttatctttc 240
tctcctcgcg tatcaagtat gcattccaca tattgctctc actctatagt ctgaaagcat 300
gaagaaaatg gtacgcgcac atccattggt gaacattaga tactatgaaa ccacatcact 360
gcgatgagat attcacgctc gttctcaaag aaacgacatt gaaaaatgac tgatgtgtta 420
gcggcatcca aatcgtgaaa accttcaaag acctagctta tgacgttgcc acatctaaat 480

tgaaccctaa taaacagggc tactaacg

508

<210> 11325

<211> 589

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11325

aagacgcnc a nanttttgag ttccattgga gcgagcgact ttgatatcca ttcgtttgaa 60

cccgatccgc aanaaccnca nnanannagg aggtgngagg gangaagttt tttcgtaggg 120

agacgcatca atatcgtggt tattcattct atactcgacg gcgtcccatc tgcggctgtc 180

acgccacgac cgcaacaacc atacgtgtcg catgctcgcc ccagactaca tcacaccagt 240

agcttagtga ggagaagtcg cagcggagcg cgtaaagcgt cgtgagagcg atcgtcaccg 300

aaatgcagtg cgtcatactc aagcgaagtc tctttgatga cgcgagcgga tacatacgcc 360

tcccggagcg cgtgaacagc ggaagaagca caacacggtc gatgtccgct agtatagtga 420

tatcggagcg aggagcgacc aacgcgagag accacgcccc actgtgacgc gcgacaacac 480

gcggaataca caaaagggac cgagttagta aagaaactct atacactgtt gtgagcgata 540

gagagcaagg aggcgagcat ccgtcgcttg gactacagtt atgtcggcg 589

<210> 11326

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11326

accttgagg atgccttgct cctttggtgg ttctgtgaaa gagaggaaaa gattaaccaa 60

cactaccttg cccctttggt cttcacgtga ggtatgagga gaatgggggt tattctttca 120

agtgtactcc atggaggatt tcngatggat cttggcccc aagatatccg tcactccatg 180

ttcttggtgt gtcgcgtgan aataaactat ttggatgggg ctaactacct cacatgattc 240

canaataatg tcaagtgatt ggccttgaga aagganactt gcttcttaat aatggattct 300

agaagctact ccganagcgc tntgtgtang tgaatgttca ttttcccata tggttnnctt 360

ttctccaatt nttaacaaa tatactcaag ggaaatgaaa ta 402

<210> 11327
 <211> 641
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11327

acaggagcga nanntttttg attccccttg ntgagaccac nntttgataa ctttcgaatn 60
 accanccaan nananaanna anaggcnena gagagtgaca cgtananngg tctttctctg 120
 ttatagccgc acnctttctta ttatatatca cganacacac ctggaaccga acccgcaaga 180
 cggagctcca cgcaagcgcg cctccaccac aacgctatcg caccgtgttg cggctcgcac 240
 ccctctcgcc atgaacctaa cgagagctcc tgagcactgt tcaactgctcc gtatcggaac 300
 aacacgccaa ctctctcngc gcgctactcg ctactggtag gtaccaacac cgtacgcgat 360
 tctcttcgcy atcaactctac actatgacac gcgcacgcag tcagaatcgc gtgngctcgc 420
 aacggtcggc cgcctcgag accaccacgg acctgtctcc ttacgcgtcg gtttcgacta 480
 caacgcatac cccatcgac cactcgctcc aggcgcaccg atcgatccgc cgcacgcac 540
 acccgtcttc cagcatca gagcagcac tggacgtcat cgccacgaac tcttcgccc 600
 acgcgccccg actccgagac acgagcacgc tagtaccgcc c 641

<210> 11328
 <211> 191
 <212> DNA
 <213> Glycine max

<400> 11328

acccaatgat tatgatgatg gatggctcaa attctcacag ctgctaactc atcccttgca 60
 aatagagctt tcacaactat catgacttgt acagaagaat ctatgatctc cagtcacaaa 120
 atgtcaagaa ctcttatttt caaaacaatt acccatttct tgaacatatc ctataatcca 180
 aaaagaaaca t 191

<210> 11329
 <211> 219
 <212> DNA
 <213> Glycine max

<400> 11329

ggttctgact gaacctgact gaacccttac gcggtgtgac ttttatgcag tttccgtttc 60
aattgctttt gcacctatc gctttataca gagattaa gaattttaca atcaagataa 120
gagggtcatt accagcggaa ccgactgggg aatgcgtctg cgacagcgca gcgattatca 180
aagttccaca taactttcca taattcagtc aacagagct 219

<210> 11330
<211> 296
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11330

tttgctnnac gcttannttt tcggcncaac ctataaagga agggcatggt cataacttag 60
tcaaaggata ctctatcctt tatgagctat ttcttttcta aagatactct atcctttatg 120
gtcataactt atttaaagga agaaatggaa gcaactactc atttggttca acctatacta 180
gcagtgaaga gcattcctat gagccccaag caatattaat tgaaatatta actactaagt 240
agtttaccaa gtgtttttat gattcattct aatatctcat gccacgtggg ataaaa 296

<210> 11331
<211> 398
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11331

cactctgaag attatgacaa ctttcgntga tctttttgtc atcgatattn tagnagagac 60
caatctttct tcttcaaag tcgctcatga tatttattgt aattatcttc aatgtatgtc 120
caaaaagtta accttttttg gacccccaca atagaaatct ttgaaatatt tagccatgtg 180
ttggcaagcc attcatattt ctttgcgag aaacatgac tatttgtctt ttcggatgct 240
tcttctatgt cttcttcttc ttcttcttct tcttcttctt cttcattgac cacaatatta 300
tccaactcaa cttaggtgca aaatgggtga atttgagact ttgacgcana gtcagatggt 360
gcgtcatgct ctttcattac attggacatc atntacta 398

<210> 11332
<211> 407

<212> DNA
<213> Glycine max

<400> 11332

ggtttgctgc gatttttgatt cttcgagaat aagaagggaa cattataaat aattatatcc 60
tccgatttaa aattaatctt tgagttatct gcttacataa tttataataa caatgggttca 120
aattgtataa ttgttaattg gaataattat aattaatgat tctatctaata tgactaaatc 180
attgctccat gtttaaactt taaatgatgg tatttatata tttatcttag tttaaattaa 240
tcttacgttc cattatacaa atatataac aattcttttt tgaccaaatt ccagagctaa 300
gtcttggttg tcaactaact actataattg aagataacat gatgaatgaa ataaaaacat 360
actatattct taatacattg gtgctttcaa tcaactcataa cttttga 407

<210> 11333
<211> 173
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11333

ggaattctga cctgctttct aacanagaga gattgagctt tttagtactc gctcaacata 60
agaggggggtt attaggcttt ctaaaacagg ggtaatcgga gagaatggcg aagtgtgatc 120
ggaaggagaa aagcgtagac gccaaaggaa gattggtcgg gtggcagagt tag 173

<210> 11334
<211> 523
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11334

gcgggttgcc ncccagtagc ccctttgana tcatagctat agcangnccn ccngattng 60
gnnnagaacc ccctcaaaca tagaagcnag gaagatatac agcgccattt angtttttcc 120
cacagacagg aacaagatga ggctgggatt cattaccctc tttgacctcg ctctaaggat 180
gaggacgact gcggttaatc tttacagtgt cctccatgga cgatcttctg ctggaacttg 240
gcctccaaca tatccgacac tccatgcagc tgtgcagtat ccatgatcct accaattcgg 300
atcgtctaaa ctccctcaac ctcaaccga aataacgcca atgatttgcc cagagcacgc 360

gaaaatcctt cacaaaactt gcgtgtataa ctatctcagc aaagcctatg cctaaggaaa 420
tagttcattt tcccactatg gctacgtatt cttcagatat tataacatca ttattcacgg 480
aaatcgaatt gccgtaagtg acctgggtccc taattattca aag 523

<210> 11335
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11335

agggggnccct gatgcttcga agccattgat accctgactc cagagatgnt aaggaggaaa 60
gaagagagag ggggggtctcg aattggagat attttagaaa gagcggactt tgaaggagct 120
catagacttc atttctcaaag tcaacagtgg accatgttct attataacta ggaccttctt 180
gaaaactttt taaaaaactc cctgaaagct tcttataaaa ctccctgaga agtgctttga 240
gacacttctt gagaagttag tntgccacac tcaccatcta aaactagctc cctcctgaga 300
gctccttgaa agctgaggct actcacaccc gcttaaaaact agctcacttc tgctagcctt 360
ctgaagcaga gctactacca ccctatatag ctactcacc c atgcaaaaac tggattcaat 420
g 421

<210> 11336
<211> 255
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11336

ggaatttaga agatgcacgt aaaattccaa atgcttatgt gatactttat gaattgctta 60
tatattttaa acttataaat cgctatctat tatgtcatat ttattatttg gaggttctac 120
agcaattgaa gaatcaactt ttaccgatga gattgaatca natgatgaag gtatattcac 180
ttttagtgtg tctagacaaa tgtaatatta ttattcctat ctaattgttc agatttttca 240
aatataggtg gatct 255

<210> 11337
<211> 449

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11337

tttggcatgg atatagctcc tatgttatgg taacacacta naattttgtg aatatttgca 60
tgtcagtatt ttcatecttg tatgttctaa atgagatata taatctaaga atatgagttt 120
agaatgtgca gaagcaaaaa tatatggctt gaagagggtg acaaattatt aattatgttc 180
atatataaca ctatatctat catgttttaa taggttcttg aactatattt attgtttaat 240
taagtccta ttggatcttt gttggaccac aagttaaaga atcctatact agaattaata 300
cactaataac taataatctg gaaaaagttc aaaaacctgc tgaataatta aactttgtta 360
atcatatcgc attgtgtatt atatttagac tttactctca tttctcttct ctataaatat 420
ctaataacag aggtgtacaa gaacttggg 449

<210> 11338
<211> 269
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11338

ggacnaggtg actttctgaa cinctactgtg acctgaacca gnaagaaccg gttttaaaag 60
ggttgaaggt tgtgaaaggg cttaggagta aaaaaaggag taggttatga ggaaataggg 120
caaagaaatg aaataggagg ggaggcacct gggaaacgag aaccgtggcc acctagagca 180
caggctgacg gctggggatg accagaccga gcacgagggg accaccatga ggacaatgct 240
tgcatatgta ccgtaccgag cgtgcaaac 269

<210> 11339
<211> 314
<212> DNA
<213> Glycine max

<400> 11339

gccacatttg aaocggctcc ttggaaaatc aatgcttttag tcaatgatat ggctcacct 60
atggagagaa actcaaagtc aggacatgag attcaatgag caaagacaac tccatggagt 120
gagagggttc aaatcatcaa tcatgatatc atctatactc taagggtggaa ggggataaat 180

ggctgtataa gagctcatta attcataaat gacttgggtgc attcaaaaca aaaggaaaat 240
 tgataaacat tgccatcaat gggggatcca ctgctttgga gggcccttgt tagcactggg 300
 gtactctgta tgac 314

<210> 11340
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11340

agcggacant tttgagcctt gnanagcgt tgatacatgt tgatgcattg tanaacccgg 60
 gganagatga gagaaggggt ttttcttaat canagagagt tttcggggcg tttttccctt 120
 gaacgggctt cagaaagggt tgtcttccaa atccagcctg gtgacctagc tttgattcat 180
 agagggggaa ctgccttgaa aacgtactta aaaaactgcc tgtcaacttc ccgtataaac 240
 ttcttgaaag ttttttgaga tacaatctga caacatgggt gtacaggcta cccatctaga 300
 acaagctgcc tcctgggaac ctctggata caatgttggt ctccgcctg ctgaaacttg 360
 atatctgttg gaggcttttt caaaacttgc gtgggtgacc ccgtattaat agccatcccg 420
 gccaaatctt tttatcatgg 440

<210> 11341
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11341

agctntatgc atttcagttt tgccttcacg attgacgagg acaagatctt cctcactggt 60
 gcagaggctg ttgcatatta ttctccanag ctggttgagg acccttgana aatatatant 120
 aaattttntg ttggtctaca aaaaaaatg tggaccata tatagatgaa atgttgtag 180
 ggaatagaaa tagagaccag aagttttgag tntacttgag ttagctagtg aatgatatat 240
 gaagaaaaag gtgtgaagga tgagaattca tatgacattg gtcactacaa aaagctat 298

<210> 11342
 <211> 516

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11342

tgtttttnnn nnnttctggt ncctttgncc ttagtataacc gcctaataca ctatgccaca 60
aacctnggat ctctgccaaag ctggctcttc tgccgcctct anaccttttt cccgaagtat 120
gcactatggg gtgctcttga atctgtgccc atcatctact taaaatctct acccttattc 180
tgcaccagaa tagccttaaa taggctctga attcgcaacg gtgggcctta cgccaccctt 240
ccccctagcg cgggttaatg gattcaggct tancgcccgt cgtgcgttga gcctggatga 300
agacacctgt tgtgcttaac acactaatct cgtgcttagc atgcngccct gatgcttgat 360
gccttgctag attcttctgt cgcactaagt gcactgaagc tgcgcttata ggtggatgcg 420
cgcctatccc actgatgagc taagctcaac tgcgctttt gcacttcatg acttagcctc 480
tntttcactg anattgacat atttcanatt aaatcn 516

<210> 11343
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11343

aagctanaan ttttgagacc ttgggcaggt ccgcctgatn ccttcgatn acccacncat 60
atataataan atatcttoga catgtgntga tgatagantt tatgatagtg agaccatgcg 120
attgagtant ataggagca gttagagagc gtagagagag atagacagac atggatagtt 180
ccgactatct atcaatacct tctgacatcc gtcgatacag aagaatctga ccacttctg 240
gtagtaatct atgagcgata taccctacac ttgtcatcac caaaagttct atgggtccaaa 300
cgagtgcgat tcttctttat gatctcttct tactctgcca aaagaaccga agacaacgcg 360
ctgggttatt atgagcgctt ttctcctctg ccaaacgaca acaataactg ctaaattctt 420
gtgctacatg ccctacaaag atctatgact accgccgaaa tctttgatct tctcctca 480
gcaaagattc aagacn 496

<210> 11344
<211> 432

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11344

agggtgcnatg atccttgana gcactgttac tcctctcaca tgnnnaccag aaagaactat 60
tngctcttta taagatatna gatcaccctg gcggaccttc aaccgataac gtaaagtgtg 120
taaaaaaaaa acaatatgat aaaatttcgc tatgtatcat gcactgcttt gtcttcgaga 180
gatccgtttt tgccagaaag accattattc atatctattt tgtcttaagc actcgttttt 240
tattatttga tatcagtgtg attatcacat taggcttgag acctaaaata gctctacaca 300
gcttaatttt tagacctatt ataaaattaa tctttaatca aaacttaatg acatttaaag 360
ttattactcc ttctcaataa tatatcctgc aagagtaaaa tcagattttt ttacttatgc 420
ctacaataaa cg 432

<210> 11345
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11345

gctgccactc tcctcaagaa aaggatgtag aatctgaaat tctgatacca atgacagatg 60
tcgtaccgga tgtcacgaca tcacgcttca gaacatgcag atgatatttg acagtatgaa 120
cagattaaac aagtaaataa cacaggagaa ttgttaaccc agttcgggtgc aacgtcacct 180
acatctggng gctaccaagc cagggaggaa atccactana atagtgttag ttcgaagatc 240
taacaaccac tgtttacaac cttctcacct aaccactacc catgcaacct ctacctaaga 300
gccactctta gatatgagaa cacctctcac tcctctcaa tcaactctccc gtggttacca 360
ataaatcana gacacac 377

<210> 11346
<211> 512
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11346

gagagaaaaan ttttgatccc cttggnanan ccantnggtg nacctgcata ntccncncca 60
 nnaannnnann aaaanaagtg ttggtaanga ccaacgtggtt attaatgcaa nagagtgttt 120
 tgattactta cttgcacaat aaagctctnc acggagagca ctctactggt attgtgatta 180
 gtccgttgaa ctcattggata ccactataga gggtctcgga tgcaacacct tgtgtgaaaa 240
 ccgcaccata ttacattcct ctcatttgg ctccaagact cgaactatta gttgattgaa 300
 attgattaaa agttctttca tggatttaac agtctactta atgatgtata aagatctact 360
 gccactacaa cttatactgt tggcccgatt aatttgtgaa aataccaaca attattgaat 420
 gagaatagac ctttgacagt ccaataaaca tcaacacgaa ctttgtgccc ttctggaatt 480
 acagacagac atcttacaca gtcttatcat tg 512

<210> 11347
 <211> 160
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11347

gaccatggga gncctcaaga gcttccgttg ttcaatttcg agcttctcga tatgtgattt 60
 gcctgaatcg gacatccgtg tgaaaagtta taccaattga atttctcaag agcttccgtt 120
 gttcagtttt gaacgtctcg atatgtgatt tgctgaatc 160

<210> 11348
 <211> 258
 <212> DNA
 <213> Glycine max
 <400> 11348

tgtaccgagc tttttctcgc agcatacttc ttgcttgaac aacatgattg ccttaatggt 60
 gaaagctgta tgatgtgatg aactttggaa aattttaaaa ttggaagacc cagaaatggt 120
 tttttacatg aagcttcttt taaagaaaca aatgtggtga taatgtttac taaaattggt 180
 ggtggaagca atatagagat atgggctttg ggccaaaact taaacataca acatctatgg 240
 ccatatgaaa gatggaaa 258

<210> 11349
 <211> 353

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11349

tatctntcac ctttgtatgt gttttttatg tgtattgggt tggactggga aactgaaaaa 60
aggcgtggcc tttgtctgat tctgcttttag ttcgctactg tttatcaagc atcctctgtc 120
gttttgtgtt tctcttttgt ttggttgtat attgctttgg actgagaaca aatgtcacat 180
ttatctaata ctcattttgt tgtctactgt ttattttccc tcctttgtgg ttttgtgttt 240
ctgtccatgt tgattgatgt ctaaaaattt ttacctttg tatttggttc cttttttatt 300
ccctctatgt ttctccatca ttcttttctg gttactctnt acctttttct tgg 353

<210> 11350
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11350

tatatactac tcaagctctg acttgagtca tcaagagatt ataaatatga gaccatggca 60
tgagtntaat agaatccttc aacatcttaa tcaataataa acaatcatct atctttcaat 120
ctatctttca atatcttctt tcatctcttt ctacagaatt ntctgattta tttctcttca 180
tctttctaaa agttttttat caacactntt tcttccaaga aaagtctctt gttcaaaaac 240
ttgtgttatt catctttttc attctcttct tcctttgcca aaagaacgaa ggactaaccg 300
cctgaattat tttgtgtctc tcttctccct ttgccaaaag aacaaaagac taactgccta 360
aattcttttg tgtctcactt ctcccttaca aaagattcaa aggactaacc gcctgagaat 420
cttttgattc 430

<210> 11351
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11351

ttattggagt cnnncnaagg acgctcttga acgcggtgag cttatgtgta agaagcgctt 60

ccgcancatga gctctaacta cacaacgaaa tcctctctaa gaagctgctc aaggcaaaaag 120
tgctcaagac agctttctacg ggaagctacc tacacgatga atggaagcat gcgtaaacact 180
tgctgtactc tcatgaatga gagtcttggt agatacccat caaacttcaa cttctgtatc 240
tttgtcttcc atccaaacca ggctccccct ccctctttct ctcctactg cgtgcctcca 300
tagaagatcc gctttaagct atttatacga cgctcagacc cggagcgcag ctcctctcc 360
atggctgact cgtatggcaa ggcccatctc gcaactgctt ccttggtcg 409

<210> 11352
<211> 247
<212> DNA
<213> Glycine max

<400> 11352

ggggtttgag ctgaggcttt ctgttcgcct acaccgatga tgcatttaag aaagttttat 60
ggccaccag ctctggattg gccccaccga ctaagacgat acctgaggac aattttttct 120
ggcaaaagag gggcaaagat aatctaggga ctttctaggg aaatatgcag acttctaaag 180
aagtacaagc catctgataa ataatgcat gttcccaaac caacctcaa tacaaagtgc 240
cgctaag 247

<210> 11353
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11353

tagcttatct atttctatac acagnngatc gngagacaat gactgattta ttcaagattc 60
tctactttta tcaattacaa tgagatataa tcgattactt ctctctctat aagtgtttta 120
gaagagaaca agaacactct aatcgattgc tttgagtatc taattgatta tattgttctt 180
gaagtgtttc cagtttttgg aagaacactc tactcgaatt aaaagataat ctaatccatt 240
acttcattga attaatacat tatctttag atttaatcga ttacaggcgc gtataactat 300
tttctctata aataactact tatgttctct ctaaccacac aacatgttgt gcttctaaat 360
gagctaagat cacat 375

<210> 11354
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11354

agagagaant tttgagaccc tggagggcnn tggttaccct gataaccccc annananaaa 60
 ngnaaggtag agagganagg ttttatgaga taaatgggtt tttttctcag ttaaaggaac 120
 acgggggggca ttaaaggaca agttataccc ttatTTTTTg attcattaat ggTTTTgaag 180
 aattcttatg caaaggccga tcgtttgatt ttctaattgt gctacaaaac aaataatagg 240
 attggagaac gactgattaa agagtttatt aggtgtatga agttcacctt gttatcgtca 300
 aatggactgt gattgcaatt ttacctgggg gtggattaaa tataggaaaa cacttgata 360
 ttgaaaatag gaaatagggtg gtatccatat atacaacata ttcaaacgag gttgtggtgg 420
 atttaaagat ttttgtgtga agaactataa ctgaatgatc tttatt 466

<210> 11355
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11355

ttatacttct agttttatag tctctgatgg gccatcattt tcttctattt tctaaaccct 60
 ttttgcacca ttttaattac tgattggtct taattgtcaa ttaatcaagc atttttatta 120
 tttgggctca tttagctaatt ttgatgtttt taatctaatt tcaggaatta atgaaacatt 180
 gngcttaatc cggatttttg ttatggactt gaagagggca aattaagcag cgcttacctt 240
 aattaatttc taattaagaa atttcncaat tttatTTTat gttgttcagt gtttatttcg 300
 ttttgggcca gagtatt 317

<210> 11356
 <211> 613
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11356

agagatagan noctagagnc cccttgnang ancgacact gattaccctc gtatntacca 60
 cacatctgta taacacctca agccttgcaa tactgacgac acaccatcgc accttggatg 120
 ctttgatggt atagatagat tttcgtgaac gagtgcgtct attatagacc atgccagtca 180
 gatggtttct gtccattcca cgagaaaatt tcgatagtcc atctatatcg aacaactcat 240
 aagaaatatt aacatacgtg ctgtcataca tcgcacatta ccagagacca agtaatactg 300
 tatgtcacia tattggcacc agttacgaca attcacacga gagtgaattt gttaattcat 360
 taaagctgat tagttcaaatt attctacact gcaccacatt ttgatttatt acttacactt 420
 cgttttcaag attattgtgt ctacagatca aacctatatt tatagaaatg tcaaagtgtg 480
 cctgtttatt atgcgagatg aacatcagac accaactaac actacacagc atcattcatt 540
 tgtggctatg acaggtcaca tccagtgatg atgatgtata tatgacacag gacaacattg 600
 atatatgtat ttg 613

<210> 11357
 <211> 223
 <212>
 <213>

<400> 11357
 gggaaatgac tgaacctgac ttgatctgaa ccctttatga ctagttaggg ggttttgggt 60
 tgr~ 120
 ttcaagaactc ggagcggata cttcattccg gcagacacgt aaaaagagcc 180
 agaattcttc gtattctaaa atgatcggga ttatcctcga gatttggg 228

<210> 11358
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11358

ttcatgcaag ctttgcctta ntttctaaga gtcgacaat ggcggtgtc ggaaaccgat 60
 caccgaccgt gattgcattt aaagctctgt agtccatgca aaagtgccat gaaccatcct 120
 gcttgcaaac taggagcaca gacaagaaag gtcctttcta gagcattgat tcaacctgcg 180
 attcaatctc atgtttctgg taatgtggat aacgataagg ccgtacgttg actggcgag 240

ctcgcggcag gaggtggatg tgggtggtctg tatccaggcc ggtggcactg aataaagggg 300
 ctgatataat gcaagaaaat gatcaatcta agatcggatc cgtgggtggg gagacatacc 360
 catctggggt g 371

<210> 11359
 <211> 519
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11359

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 cagtnaacan cnacnanana acanananag acccaaagt gagtgtgtgg ananagtttt 120
 ttttagatga gaaagaagga tgtgtgtgta taccctcgcg tgcaactgag agacancgcg 180
 gaggtggaat ttcgatggac attggattag acacttttat ttttgagtac taataagggtg 240
 ttggaaatat acctttgaat agccaatgct tatcatattt aatttcttga agaatcgatt 300
 agagtgagaa taacgtgaat aagaggtatt tttatgtatg tgagatgtgc acccctaggt 360
 tgattaaaaa gggcatgatt atgggaatta tactcggggg ggctgataaa tagagaaaaa 420
 ctatcaatth ataattgaga atgttggttag ctgacgataa atatccaaag gagtttggtg 480
 cgttaaggaa tattgaggag atatattgga aattttttt 519

<210> 11360
 <211> 496
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11360

aacgtcgnaa aactgatacc ttgtcaggg cacatganna ctttgagcac ccccgatgac 60
 gccgatcgaa cattttataa ccgacgtcat gctttattcg ttgcaggatt gaattgtata 120
 ctcggtatgc gacatctngc gtgaagcacc accgatatth ttcacccgac attgcacaat 180
 tctttataca aaagctcgct ggctgataat ggtctcttta cggcagagta agttgtcttg 240
 gtttggtgtt gcataaaaaa gtgacaatgt acttcggatg ggtttttcgt gcgagttaac 300
 cgacattttg ttctgccacg aaacattagc ccacctctgc caaaaaaatg ttgcaaccg 360

ctttttgcat attgagtga c gagagatta aagactcaat acccacaacc ggtgcgaaat 420
atcccaactg aattattcag ccgcgttgcg cattgctttt aaaaaacctt cctggcagat 480
atagttttta ccatcc 496

<210> 11361
<211> 401
<212> DNA
<213> Glycine max

<400> 11361

tctcactttt gtggtgcggc gggccaccct cacctattga gatcctacac gaacgttgac 60
caaagtacat ccttatcacg atgtgactt tcatgtgcag actgagtggg cttatatcct 120
gaagcctact gaccacgact ttcttgggaa gtaatcaggc taatactgcc cacggtgggtg 180
tgtccttatg ccatcccggtt ttgataaccg gaccacccat aactcggggc tcattatcgc 240
tgcattggac agacaatctg tcaaagaggg agtgcccgag gaaaagtgcac cacctagaag 300
actgaaaacg agtgctaata gtcttctggg cctcaciaaac gctgggggatg tgcggctacc 360
agtatcttct ctccgacaca gaccagagcc ctactcaat t 401

<210> 11362
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11362

acgtgttcta tccttgagtc gatgatctct ganacccna taangagacg tgggatatgt 60
caagttatga cgggcacagc aattaattcg cgggcgtgca cgngaagacg ggcacataca 120
ttagaaagaa ttccacattg tctgcttcac catgagaccc ccatatgtgc cagatgatca 180
catatttctg aaggcttgtc ctcatcatt aaaggagtg gcaaacgact ggctgtatta 240
ccttgctcca aggccatcac gagctgggat gacctttaca cagtattctt agagaaattt 300
ttccctgctt ccaggaccac ggacatcacg aatgatattt tatgtattag acaactcgat 360
ggagagaacc tgcattgagta ctaggagaga attatcaaac tatgtgccag ttgtctccac 420
catcatattg tagagcgact tctcccaaaa atgatatgaa gacactgatt ctggg 475

<210> 11363
 <211> 150
 <212> DNA
 <213> Glycine max

<400> 11363

actaatccac caacttggtc atcaggctcc tcaaaccgag acttattcgg ggtcgtatgg 60
 aatgatcacc cagagtccaa gatataact gtctaagggt tctcatgaga caccattaaa 120
 gcctcggtcg actcataacc atcttcagct 150

<210> 11364
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11364

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 tattgaagta agctttacaa gcgctcttcc ggaaactcca ggtaataccc ccaaagacct 120
 gctaaaaatt ggaataatat ccacttcttc tgcaaataag attgatgctc cattttttta 180
 tgtacaaata tgcctagtgg aatgaatctg gacaccttgg accattctga cctttatctt 240
 tcccactgtg gagatcaaaa cttattttcaa ttggatgcgg gactcttacc gagttgcacc 300
 ctatacatgt ttgaggggaat ttatggtgaa cctaagagca tttcttg 347

<210> 11365
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11365

ccttgcccgg agttttgttg acctgtccaa taaccttgaa ttccctctac taaatattat 60
 ggaggacctc cctgctttct tcttacgaca cctcctttta accatccttt tcttccggaa 120
 gccctttcgc cgaatatctt tattgaagcg tgggggcttc accatcttgt tcctcacact 180
 tttctttccc ttgacgttcg cggttgactg tangtengag tgcaacacac acgctacggt 240
 acacactcat ccgtgaattg tacttaccga cacactgact cgtggctctc ttcttcctcg 300

agtgatattc atggatgggtg ctatttgatg gaagacatgt tactc

345

<210> 11366

<211> 494

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11366

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cacctcacca cctgaccttg acaggtnttg tgactctttc tggccttaac catgtggaat 120
ggattaccag ggtgaagttg gggaacctct ggtcacttcc aaggtctttg gttggttgtc 180
ttgccaggaa ttggtttgtg gaacctgtgg tcgcttgcaa ggtttgggtt ggggaaagtc 240
gggtcactgc tangtctgtt tggggtgctc acattgcaat ctggttgggg tgctcaatcc 300
tgctcgcagg tctcattttg agtaaggtga ttcaattgct aagtgtccct ttgatgccta 360
atggatangt agctaggtgt ctattgtaat acgtataaca ccatggcaca tgtacaatgt 420
tctggntttt ctttattgtg tgtgtntgag cttgaggagc acttgctaca cgattnttaa 480
acaagttata gaan 494

<210> 11367

<211> 344

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11367

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tacagttgag atcaaaagcg attccacaca caagagcttc aaggtcaatg gacaccgact 120
caagccattc ctcacaaacc cttctttagt ggacgtagt gtggaagaga cttccttact 180
ccaccctact cttcctccac catgacttan ggagtittcc ttttctatc tccttcttta 240
cttttattac atttgtccga ttctatttga tgggttaatt gcttttaatc ttttaattgt 300
gctacattga agacaatgtg ttgtttaaat atggnngggg ggga 344

<210> 11368

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11368

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aatgatatgc aactaaaaga gtgtaataac anatttgtat ttacaagtgg caaaaattgg 120
attactttta tntaaatagt aatgacacat gtacctatag acatggattg gtaagattga 180
taaggaactt catatcaact atgttgcaag caatagaagt agcgttcatt cattgataaa 240
atatttagcc tcggcttctt taaagtcata tcttgtataa tatttaaaaa gttaacgaca 300
ttacatgatg aatacatgac aaccatattt gtttcttctt gtatacatgc ggaactggat 360
accagattnt ggctgataca tataataaat ngacttaaat taaataaact caggatatta 420
agctcgat 428

<210> 11369

<211> 352

<212> DNA

<213> Glycine max

<400> 11369

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tgaccattgt tcttcttctc cgcgatgctt cttttcatgt ccgcctgagt gggcttatag 120
cctaaaccat acttcccacg atttcttgg gtatttatca ggctagttat gccgccgttg 180
tttttctcta aaccatccc gggttcataa ccgttcccca acataactcg ggccatcatt 240
accgctgcat cggacagaca aagctgcccc aagagggagt ccacggagga aatgctgacc 300
acctcaaaag actggaaagc agtttctaac gattcttctg cggcttccac at 352

<210> 11370

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11370

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atctctgaag ggccaaagtg gocttggttg taattggcac cccaatttta attaatacaa 120

cccccctggc cttttttggt gattcttttt ttcgaaaagt accggaacct acagatttgc 180
 caacgatact tgtttctttt ccgtatggta cgggaccctt gcagattaca taatcatccc 240
 ctttttttac ttacggaatg ttacgaaacc tctaataatg tgcacgatgc tttctttgat 300
 ttncgtgtgt acggacctta cngattggca tcaaactntc tttcggtttc ggcacatcac 360
 ggaactcaca aattgcctat gatggtgcc aagcacctana atgacaaaata cagttgatgc 420
 ccca 424

<210> 11371
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 11371

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 caattatggt catccttttc tcttagtagc ttataattta tttggcgtaa tttatcatc 120
 tgctataagt cattttgcac aattaaatag aagacctatt gtaaattaat gaagattcac 180
 gattttctta atgatgtcag tatattaaaa cgaatgttag catttagtaa atgttatggt 240
 tggcttcatt ctacaatata ttttttattc tatcaactgt taaataaagg ttctcacatc 300
 gaccatgaga ttcaacacat gtccatgtgg gatataagcc caattcttac cacatggact 360
 aacatt 366

<210> 11372
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11372

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 cgattacaac aatctggtga tcaattacta gagagntaaa actctttggt aaacatgttt 120
 tgagaaanat ccatgtgcta ctcaagtntt gcanaacctt ntcatactta tcttgattct 180
 tgaatcttga gtcttgaatc gtgctcttga ttattcttga ttcttgattc ttgaaaactt 240
 gaaacttgaa acttctcttg aatctttctc ttgattcttg aattctttgg catcatcaaa 300
 ataacctt 308

<210> 11373
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 11373

tcttttcttga agactaactg gatgcgctgg tcaacttggg aaccagctg gccttgaatc 60
 acaaatctgt acctgtcgca agggtttgtg gtttgtgctc ctctgctgac caccatacag 120
 acctttgccc ttccatgcag caacctggag caattgagca gactgaagct tatgctgcaa 180
 atatttacia tagacctcct caacctcagc agcaaaatca accacagtag agcaattatg 240
 acctttccag caacagatac aacctggat ggaggaatca ccctaacctc agatgggtcca 300
 gccctcagca acaacaacag cag 323

<210> 11374
 <211> 529
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11374

agaggtgggn nnactggata ncncttcgta ggagcgnctt tgtntccttc gcataacctg 60
 ccactatana atactcaagc ctcatgatga tgaatcaagt ntatttctgt tgttctgata 120
 atgactatga tgatgcgaan atcccggaga atgattgcga gactgagtca acctgttcaa 180
 gatcaagttt agtttctagt gtcaagatta gaaatcatga agattctaga atctagagag 240
 gtttgatttc gagattcaag agaagatgaa ttcgagtttc tagagaagat atcatgacga 300
 cttctcaagg gaggtcttga aaagattctt ttccaacaac atacatagcg caattctggt 360
 tttcaaaaga gcttttctcg caattatcta aggtaccaa gttgtactct ctggtaatcg 420
 attaccagtt tctgtgatt gatgaccagt ggcatagttt gattgtcaaa gctttcaact 480
 atatttgca cggtgcaatt gatttcaaaa tgggtggtatc gattacacg 529

<210> 11375
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 11375

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ttatatcccc ctataatgag tcgnagaaca aggggaatggc cggctgatta caacggattg   60
actgggaaaa gcttggcggt gcccaactta gtcgggcttgc agctcatccg cctttaatca  120
gctggcgtaa tatcgaagag gcacgcacgc gattgccgtt gccacaatt gcgcacctg   180
aatggcgaat ggcgcctgat ggcagggtct catcttacgc atctgtgcgg aatatcacac  240
cgcatatggt gcagtctcat taatatgttg tctgatgccg gatagataag gcatccccga  300
cacgcgacag cacacgctga cgcgaaattc ttgagaaggg tgggaattat actttgagag  360
aacatgtctg ctttaacttt acaacaagta tacattg                               397

```

<210> 11376
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11376

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agctntccgc taagagatct angagggacg tcgcgggctaa agggaccagt gccactcccc   60
agtttgatag ccaccgtttc aggagtgtct attagcagcg ttntgaggcc atcaaaggat  120
ggtcgttcca cagagagaga cgcgtccagc tcanggatga tgagtacanc aaatttcaag  180
aagagatagc tcgccgacat ttgacgtcgt tggtcactcc cattgcttaa gtttgaccca  240
gatatagtcg tgggagttta tgnnncatgc ttgccacag aagaaggagt gcgggacatg  300
cgatcatggg tgaggggtca gtgga                                           325

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<210> 11377
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11377

```

tcaagaaatt atttgatgat gcctaggaat ttcaaagatc attctagatg aatttcaagg   60
atgaagaaag caagatgtca agcaaagcan agatctcaag ataagaatta agatagactc  120
ttagaaaagt ttttgaaaag cacaatgat tggccaagtg agtttctatc ttaacaaaaa  180
cttttccacg cattntattc tctggtaatc gattaccaa gggttgtaatc gattaccagt  240

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ggccacaaag ctttctagaa atgttttcaa agtttttcaa gctgtattcg attaccaaaa 300
 ctacgtaatc gattaccaat gcttttaaaat ggttaaaaat gattntgtaa gtgtgtaatc 360
 gattacacat catatgtaat cgattaccag agcttttgaa cgttggacat ttgaattttg 420
 aataaaaata actgtgtaat cgatta 446

<210> 11378
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11378

agctttgtat tgtagaaagt gtaagacacc cttatgttgg ttagagctcg gagaagacct 60
 caccttacga cctgaagcgg tacaacaaac caccgagaag gtaaagttga tccaagaaag 120
 gatgaggact gcttagagta ggtagaaaag ttatcaagat aagaggagga aacacctgga 180
 attcgagggt ggtgatcatg tattcttgag agtcactccg tggactcggg ttggtcgagc 240
 attgaaatct cgaaaactca cacctcattn tataggtctt ttcttggaat tcaaaatgac 300
 atctcctttt agtagaatct gaaacacccc tcagcccttt atgttttgac aaggggtatt 360
 gactccgaat gttgtcatta accttatttc tganaatcta tactaaatat cctttaattt 420

<210> 11379
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11379

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 actntttcttc acccacactg tgatgatgca taatgaaaaa catatatcaa atgtactaag 120
 atgcaacacc caagataaca accaatacaa atgtcactca agggagttga gcatacaaaa 180
 gccaaaactt cttcaaaaaa tcttcaagct tttccttaag cttcaagatt tagccttagg 240
 ttgttcacta tgtttctcat gttgctcccc ttatctctaa cacatggaac taagggcgac 300
 ctctagcctt agtttcatat tcagactgaa actgacgaga acctctccat gaatntgtgg 360
 agtgactcat cttcgtcctg ctgaatgttt gtgagtgcaa ctat 404

<210> 11380
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11380

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 tacatccgggt gattattatt tgatgatata caacctttga ttggccgctt caagataactt 120
 ggcacctgtgt gttgcacaat atgtgaagtc ccgagatgtg ccgaaaatca ataagaagca 180
 cgcttacgcg atccgtgaan attccgtaat gtgacagaaa tcgaaaggaa gtgtcttttcg 240
 caatccgaga gtgttcgtaa cttcttcgaa agctaaaaaa gagtaaatac ataatccgta 300
 atgattcgta accttgcgga aggaaaataa gtatcggtac gaaattcgta aagttt 356

<210> 11381
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11381

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 gccccacatt attggcatga cacaatgca aaaatgatga ttggaaact ttatgcaaaa 120
 ctggtcatgc atgcgcttat gcggacgctc aagtgtcaaa tttttatggt caagtgatgc 180
 tacgggtcaa gattcatttc ctctatttta aatcaacca atgtgtccaa aatatgttct 240
 tttatcaatt tgtgcattcc tccaagtcca ttccgggcgt gcggagaaat ttttacagca 300
 ttcaccttc acgtgtagac acgtcntttc ttcaaaaatc ggatatgac aatgaataat 360
 ttttcaaaga aaagttggaa atcatctctt ttcaaaagca t 401

<210> 11382
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 11382

agcttagagc atacacattc acttgctaata catgaacaac tcgctaagcc acacttcaac 60

tctagaactt cagtagatta atcggttag caagccacca taggctaagc gagtaccaat 120
tactcgctaa gcgcatcatg cacgcttaat ggatcttgta ggacaaaata acctataaat 180
catgctaagc cgggtcaact tgcgctcttc ccaaaactct ctttaagtttg cacttaccca 240
aattgggctt agtgcacatt tacgggctaa gcgcgagtta aaaatattaa aataaaaaata 300
atgatgaggg agtcaagaat gcgagaatac caaaggtcac caccaatgca cactaagtgg 360
gaaaagcacc tacta 375

<210> 11383
<211> 538
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11383

gcgtacttnn nnnnnaaaag gggntttcag tcnatntccn cacggtcncc ctcnntacnc 60
tgncatccgt ngnnccccnn nnnccccnnng nnnnnnnnnn nntttnnnnn nnnnnntnnnt 120
tttcccnnnn nnnnnntnnn nnnnnnggtt nttgtttaaa anntntgggg ggcccncccc 180
cncncncnc cncncntnnn ntntccctc nngnnnnncc tctctccctt gttcctcctt 240
gcccccccc cennntcccc ctntccctnt gtctctcnnt ggnnttggtc ctccccctgc 300
ccctttctt tctnnnttct tctgccttt ccttttgtc tcggnttttc gcttggggtg 360
ttcctgtgt tgetcctgt ggctcccttn tctcttcccc ctgggcctgt gggcgcctc 420
tctccttctt ttcttcttcc cgctgggct gccgnggccc tctccctggg ttgtggggtg 480
cctcctctc cccctgctgg ctgctggggg ggccccttnc gcccgggggg tgccctccc 538

<210> 11384
<211> 274
<212> DNA
<213> Glycine max
<400> 11384

agcaaagaag tttttatgct gttgataaga acgatattcg tgccaacaat aattttgccg 60
ttttaggaag tgattgataa ctttcttttt ataatgtaaa gtactctata acttttttct 120
tataaaaaga aaccgaggag gtcagattat ttacgggggg agatatatta atgtgtcaaa 180

gtgctctcta acataataga cttatcatct atactaattt ctatcaatct ttgcgagtaa 240
 tccctgaatg tcaggaattc tcgatgetta tgtc 274

<210> 11385
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11385

gcatggactg aacgacgttc gatcnntgac tgnngaaaac gcccncgnan nnaagnnctt 60
 atatattata anggttttta gttggagatt aanatattat attgggggag gttataatat 120
 aaaggggggtt tgaaataatt attaattggt gtatttaata ttaattgagn ttgttcattt 180
 tataaaagat atgatagatt gtaatgtatg tttttaaaagt aatataatta tatatgaaat 240
 gaattttatg gaaaagatgg ttgagcatt atgaagaata tttctttcac taaaaatgta 300
 ttttatttat taatgaataa atgaataaaa tgttattatg gtttggtatt tagatggtga 360
 agaaatatta ttatatatta ttgaataaat taaaaataga tgggacgata agaaaaatat 420
 attaaaacta atttaatat atttgataat aattgaag 458

<210> 11386
 <211> 518
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11386

aggcgacgcg cccngttga ccgtttactt cgatgcnata gcaccaccnc gcgagatcca 60
 gcacagtacc cgctgatagc gtgcaggcta gcagtattta tgcaaccttc nanaataant 120
 tttcataacg atttatgaac ataggagact gcttgcccta aggcacaatc tggaaataaa 180
 aagaacgaac acgtccata agttgctttt ataatgactc ttaggactgt ttgattgctg 240
 ggaatggaaa tatgagcatt catgaataga atccagatac atacttacca catatgtgaa 300
 caatgcatta tgtcacagac ttggagtaag aatatcatat cgcttactg agcttagtaa 360
 cctatatgac aagccttcct caattaggaa atccagacgt caggacctta tactttccgc 420
 gagcataact atgataggta caaaatacgt atacatccgt actctactgg aaaagaatta 480

caaaagggtc atgggcgtat ttttgcaa at gtcgtccg

518

<210> 11387
<211> 261
<212> DNA
<213> Glycine max

<400> 11387

ggggattgac tgagcctgtc tgtgactgag ccccgaggga ggctacttta tgaacagttc 60
tactttccaa agggggcagt ttcacacata cttgggtggat taacccccct attttacctg 120
taccactgtg aaatagggga gacagtcctt attatagact aacgtaaact gaatacggag 180
attagcgtcg tttttcattc ctagagacgt tccaaagctc gaagatttta aagggagtcc 240
ttcccagagt tagcattttt c 261

<210> 11388
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11388

agcaggaggt tctattaatc tttctcaagg tntacgatct gtgaatctca actctggaag 60
ttcttctaaa atgggtatcaa agcctatcct tgatccattc aaagagttac ccaccatgtt 120
attcatgcac caagcgcaaa agtggttgac ttcattgggt gtattggata aaaccaagt 180
tccacattgg ctagagatac ggccaagata gagtatataa gtgatgtgaa accatcatcc 240
tatgagccta actttgacgt cgaagtaatt caatgctgcg cagtgcattc agtgtatatg 300
gaatgaaagt caatttatac cataataaat aaaagaatct ttcattg 346

<210> 11389
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11389

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ttaacgggaa gaacaaagct tcatttatgc tgagcgaccg caacacgagg gagagactat 120

tgcctctaac aaaatgcctc cctcaaacac cctaagcaat cgatgtcttc ataggcagca 180
 taaataaaga tctaactgcc ggagaccag aataatcacg atccatatga ctgcactcta 240
 acagaaagaa tggagtgaag gtttaatgag cccacaagtg aagaactcac agcacactag 300
 agagtgggag atgacaaccg gtactcattt cagaacatac acaacacgcc caactagaga 360
 agtatagatc acccaatgat accgtaagtt agagtaatat tcctacggag caatgaaaaa 420
 ctgcctgccg ggcattatag tgatttaagg ttatacatgc taacctccn 469

<210> 11390
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11390

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 atttcgggtc agtaagtgtt tttctgaatc aaacagatca aacttgatct tctgatcatc 120
 tatgcccgtt tccagtttac cttttctcat atccaccaca caatcggcgg ttaacatgaa 180
 gggatggccc anaatcaagg gaattttanc gtcctcttca atatccatta caacaaaatc 240
 tacagggaaa gtaaaatgtt gcaccttaac cacaacatct tcaattatgc cataaggcct 300
 tgtaatagac cgatctacaa gttgtagtgt cattctagtt ggcataatct ccaactcttc 360
 aattctcttg cacatggaga gaagcatcaa atgtatat 398

<210> 11391
 <211> 338
 <212> DNA
 <213> Glycine max
 <400> 11391

taaagctata catacataac catgtaagag aattaccaag tatgccatac aattatgatt 60
 tactttgtgt ggcatgtcca aagggaaaac aaatcaaaaa ctctttttca agtaaaaaa 120
 ttattttcac ctcaacacat ctaaacttgt tacatcttga tatgtgaggt ctatctagaa 180
 caacatccat aagtggaaag aagtatgatc ttgtcatagt ggacgactac tctacatggt 240
 gaattagagt gcatgaagat ttgaagacta gtcttaggat cttttgattt taataatttt 300
 gcattgccaa acatatttct aaagatatgg aatattta 338

<210> 11392
 <211> 518
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11392

agcnnccagcg agcgncgtta gtncgataga tantgatagc acactacagg cgaccncgag 60
 catcgatatcc agagatcctg tagagagtga gctgcaggca gtgataactt ctccgttttg 120
 anatatgacc aacgcagcaa ccctgagctc acattctaga acttcaataa atcactcggc 180
 ttcgcaagcc ggctatgctc agcgagtacc aatcactcac taaacgcac gtgcacactg 240
 agtggatcta tgagagacaa gttgatctta ttgatctgct aaaccgagtc aacataggct 300
 ctgtcccaat ctctattaag ctagcaccta ccgaactaag tcttactgca cattgcccg 360
 taaccgcgaa cgaaaactag ttaactttac tagagatgaa ggaactgata cgcttgaaag 420
 gccaatgaca catccatggc cttctaaggg acaacaccta cttaaaggac tgtggtacta 480
 gccaacggct tacaaaacat taggtagcca attggggg 518

<210> 11393
 <211> 523
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11393

nggggnannc nnnnnnccga cacgttttnc cccntnctca cgcnccccc ccncatcnnt 60
 caacagnncg aaaaantgcg nnnncnnnnn nnnnnnnngn nnnnnnnnnn nnttnnnnnn 120
 nnnnnntnn gttgtgngnn nnnngggggn tnnnnnnnnn ngnnnnntgt nntnnntnnn 180
 nngtnggggn nngnnnnnnn nnnnnnnnnn nnnnnntnnn nnnnnntnn nnnnnnnnnn 240
 tngtnnnnt ntntntnnn ttntnttggt tntnnttgtt tttttttttt ttgtttttgt 300
 tttnttggtt tgttttttgt gtntgggtgg ttgtggnttt gttgttngtt ttttttttgg 360
 tgtgtgtttt tttgtttgtg tgtgggtttt tttgggtgtg tggttttttt ggttggtttt 420
 ttttgtgttg ggtttttttt gttttttttt ttgggtgggt tgtgtttgtg tttgtgtgtt 480
 ggggggtttt gtttntgtg tttttttttt ttgtgggtgn gtt 523

<210> 11394
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 11394

tcttcttcag catcttttct tggctagaaa catgctctct ggcaagtttc ccttggagtt 60
 actcaactgc tcctcaatcc aacagttgga cttttctgat aacagctttg aaggagaact 120
 tccttccagc ttggacaaac tgcagaacct cacagatctt gtgctcaaca acaacagttt 180
 tgttggatct ttaccttctg aaattggcaa cattagtagc ttggaaagtc ttttcctatt 240
 tggtaacttc ttcaaaggta atattccggt ggagattgga aggctgcaca gattgagctc 300
 cctttacctc tatgacgacc agaattctgg acccatacca atggagttac caactgcca 360
 gcttagaaga agtgacttct ttgaaatcac tcacatggct cattccaaaa cta 413

<210> 11395
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11395

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 tatttcaact actattttag tacgtgaatn gcacccatca aatctagtat ataaattcta 120
 ttattaaaac taattattat aaaaaaatc ttataagcat taattaaagt aaataaatat 180
 tatcaaata cctagctaga taaagtttan ataaatataa caattatcaa tataatcgga 240
 caacataatt aaaatttgaa aatgattatc agtcttaata tatttcgagg cttaatcaat 300
 gcagtcaaga ttccaaatat atanactaaa ataaatacat atttactaca gtattatata 360
 tttaaatttc 370

<210> 11396
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11396

tttcttgat gtgtttacat ttcaagtgc tatatagctn tagcccaaca cttgttttga 60
tccagtgcaca ttattacaac aacaatagtc ctacatacta catgccctta gagtttagaa 120
gatttgtaa ctggatccaa aaccatagca gaaaagaatg taaataacat gtgaataaaa 180
acctgaccaa ccaaattgca natatgaatt tgctggggaa gaaaagggtg gtcagtataa 240
gtgtataacc aacaaccgga tcagaaatgt agaatgtctc cctgtgatac tgttgag 297

<210> 11397
<211> 403
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11397

tgctgttgaa cgttacatca agacatattt tctgatgct gattttgatg ncctttttgc 60
ttcctttctc tggaagattc ccgctctacg atccaatggt cctttctcct ctctcttttc 120
agatgttgac tttttcttct ctttttagtt taacaccagg acatgtcgcc attntcattt 180
tcttttgttg gtgaggtttt ctcatctctt gctttaaaat gcgtgagttt cgttttttca 240
cgatgttgat ttcatggtaa taagctccct gctgagttca attgccctgt cgttttttct 300
gaactgangt tatatgtgta attctaattg tgatcacgca gtcatgaatg catacnagat 360
ataatttatt taattaggag ctgatatctg actacaaaac act 403

<210> 11398
<211> 200
<212> DNA
<213> Glycine max
<400> 11398

ttgcttccat ctttttcctt atgcttgcag aaatccgaga agtaatttgt atccttgaat 60
tcgtgcttgt tgtgttgaaa tatggagttg tagaagatgg cttgatgcct aagtagcgtc 120
ctgaagtaat ggggcgcgcc tcattgctcc attgtcttta tattcatgac tacaagatct 180
cccacgaagg gctcattgaa 200

<210> 11399
<211> 488
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11399

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aggggtaatt tgagacatan agancagttg atcctgttga cgcgtgatna cacacncttt   60
aaagaaagca gcagcgttgt gtgtggaacc acncgtttta atgggtttta ccaaaccctg   120
gtgaagccga tgtgttcaga aatgctgcct gacatgctat attgcattct tattttcacg   180
atgagcctat aattgctctt gctacttggt cacatactca gctatagcct gcgcacccct   240
atgcttgaac atagcactgt tatgcatatg caacaaatca agaggagtcc aagggattaa   300
tccctacgtt atcttagatg gtgaacaact atttgtgcta tggacagccc gattataatc   360
gaactcaaca tgaggcaaac aggcttccca agatttaaga tttttcttgt agacaatcct   420
aagcagtgtg cctaaagtcc tattgactac ctcagatgga ccattaggtg gtgggtgaca   480
agtactcg                                         488

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<210> 11400

<211> 243

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11400

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tatgcttgag attatgattt gtantncagt gaaacttcct gctgttattc gttgaccaca   60
aagtggtagc tggagatatg tcgcgggggt caggagacct tggggacgtc atgtgggggtg   120
ctattgccca aaaccaagct agaccaatcc cgaccaacc cgcgcatagt cggtcagtga   180
gaacctgtga tntacctaaa caagcgagct cctggcagtc aacagatgga aggaacaaag   240
acc                                         243

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<210> 11401

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11401

```

aatcttangg aaccctata tacgccgcta tcgtacctg ctacacacgt tatcccactt   60
agaggtaaag gatggattta tcgcaattgg gggtataatg aacatgtgta gggatcctta   120

```

gaggatcaaa ttgaaattta ttttgggatg tttattgtat tgaaattctg cctttatgat 180
tataatcatg agattgttat gtttgatggg ccaattgatg cccttatgtg aatcggttca 240
aaaagttgag tgctttcggg gttttcgtgt ttttgaacct atgattttga ttcctttgat 300
tatgatatga ttatgtgaaa tcgcttgacg ggtctaataca tatcaacata acatattaat 360
attatcacta tgtgacatgt atatgatgca tgaagcgtga taacatgttg ccttagga 418

<210> 11402
<211> 311
<212> DNA
<213> Glycine max
<400> 11402

agtaatgtaa gcttgaatth taatcataac cagctatgag ttatcgctgt gttggataca 60
ctcgatatag tgtatggcct gcttgctacc tagattgatc aaatctttgc agcatcaagg 120
tcgatattat ggtagagaa taccgatggg gttttacata ctactatggg attgttccgt 180
aataactaat aaccctatat gagttgacat ccttcaggaa taattatcaa aagttacata 240
acatattatc ttgtgaacat attatatgag atgtaaagt gcatattaca aacgtgagct 300
gtatttatat t 311

<210> 11403
<211> 525
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11403

aggacgtcng anccttgtat gaccnctttg nagtanccag cgttgagtcc gcttgtttga 60
taccgtttag cananacca cacnatttgg ttatnatttc tcnanantt taataaaacg 120
agaggaaggg tatcttanag agtttgttag tccgagaccc cacgcaataa tggggctggg 180
gtaataacat ccgttcactc gacctgagat agtatgtaat acactaaatt gttctgatga 240
aatatgggct ggcctacata tacaggcttt catagtatat aagaaccac accgtgctca 300
ttgaacaggc caggatggac cttcttcatg aagtattcag cagtgttaatt aggatcatgt 360
cccatattca atctatgatg tattgcatga cacgtgtgac agaatgacat gagcggttac 420

acgatgtatg tgagagcatg aacgggacct gaagtgtatg gccatatacc gggactacgc 480
catgagaagg acttgctcga aaaaagtacc cggaattgtc ctacn 525

<210> 11404
<211> 377
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11404

agcttcatgg tgaatcaaaa gtgattcgaa gatgttttga tgataacaaa agatgatgac 60
aaaggtgatg acaaaaagct caaatgtcaa tcaaaggatg agttcaagat attcaagaag 120
aatcaagag caaattcaag actcaagagg aaaagttgaa gaacacttca agattcaaga 180
agaaggatga attcaagaat caagattcaa ggatcaagct tcaagaatca agatcaagat 240
tcaagattca agattcaaga atcaagagaa gacttaataca agataagtat gaaaaggatt 300
nttcanaaac taagtagcac atggattntt cacaaaaaca tgtntaccan agagttntta 360
ctctctgtaa ttgatta 377

<210> 11405
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11405

cggacttcct gtgttctgag aacctctcct ttctcaagtg tactttaacc caatcacctg 60
gttcaagcac gactgtcttt ctgcttttgt tggcttgctt tgcatagctc gcatttttct 120
tttcaagttg agccttcact tgctcttgca acttcttcac atactcagct ttagcctgtg 180
catccttatg cttaaacata gcaatgttag gcatagccaa caaatcaaga ggagtcaaag 240
gattaaatcc atacattatc ttaaatgggtg aacaattagt tgtgctatgg acagcccgat 300
tataagcaaa ctcaacatga ggcaaacagg cttcccaaga tttaagattn ttcttttaaaa 360
caatcctaag cagtgtgcct aaagtcctat tgactacctc agtttgacca ttagtntgtg 420
ggtgacaagt agtag 435

<210> 11406

<211> 413
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11406

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 ttatctcagt tttccttacc aaataaatgg gtcattttta agggcccacg ccttaaaatg 120
 atcacctttc aaggaaaaag aatcgcttga ttcaccctta aggaaaaact acgtaggggt 180
 gaattcctct ttgatggagg gtacgtaaga gcaagacccc gcttttgctg acctcaaaaa 240
 taaaaagaat taaaagttaa gataacacaa tttcacaact cttaaaaaata ggttggttgg 300
 gtcctttgag acanaagtga gaggggtgcta ataccttctc aaacgtaaat acaactcccn 360
 gaacttagaa ttttattttg accgtgatat gccatcattt tcttctattt tct 413

<210> 11407
 <211> 503
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11407

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 cttgggtgtga agctcttctt tcatgtgtta ttcctagtgg atgctgccgc ctctaacctc 120
 ttctccttgg ccttccgctg catcttcatt ggtgggaaaa taccattaaa aggacctct 180
 ttgaagcttc aaagatccca cccttcatag aggtccaca agcaaagctt ccatcaagtg 240
 gtaatcagaa gcataaagct tcaagtaggt gtcctttaa cctncattaa ttttttttct 300
 ttaccttctc ttccattggt gttcttcatt ttctccatgt atctcctcac atgtcttggt 360
 ctaaagtng ttaacatgat tctttagagt ttccaacgat taaacttgct atagaaacta 420
 gatttgattt tctatgggtc aaatttcttg ttcttggtct tgacaatgaa tgtgttgagn 480
 taggttcctt tgagtttgct ttg 503

<210> 11408
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 11408

gtttgatcag cgaactcata atggtgtacc tgtcgagtaa gactccttct tatctgcaca 60

accaaattat tcaagcacag tcgataatat agaagatgga actatcacia ttagtattcc 120

ttcaaagaat gggaaagggc gtccatcctt taacttcaac aaagtctttg gaccatctgc 180

atcccacagt tggtttggtt ctgagtttca gctatctcca acatcactat aatttagtaa 240

atattgaaca aatttcttct cttgtgttca acggacgtct t 281

<210> 11409

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11409

agagattgaa actgatgcct ttgnanagcc atctgatcct tgtacaccnc aattgaagaa 60

tatgcgagaa gtaataaaaa aggtttttga tatgttctcc atagtactcc gtganagtta 120

atcaacagga cctatgtaac caccggcaag caagaaacat tgaattttac aacttctcac 180

atacaacaga atgcagctac tagacaaggt taccattgaa aactttacga gactcaccag 240

ttgcatacat agaagttggc ttactatcc gaaccctgtc aaaaccccc ctttgggagg 300

gaaatttttc cccccccca attttaccct aaacaaaaat ttgaggggga aaccctgtct 360

ttttatctaa aagaaaaccc acttcttttt tgttaciaag cggtaacctc gactgaagat 420

atg 423

<210> 11410

<211> 414

<212> DNA

<213> Glycine max

<400> 11410

ctttgtgatt gcaaaagcgg ctgatatga tcagatgatt catgattatc atgctccgc 60

tttgacatga tgaccaccag cctgtcgggt gaggacttca acatattaca aatctatctg 120

catctagttc actactcctg aggattacta tgagagctct tatgatataa gaagaaagat 180

gatatcttga atatatattc aaggagtctg cttcaagaat cataatcaag atcctagatt 240

catgattcta gactcacgag aagactttgt caacatcgta tgcaaaggat gtatcgagaa 300

gtaatagcac atggatctgt ccaaaagcat gttaaccaa aagtcttact cgtctgtaat 360
cgattccaca ttgctgtact cgcttaccaa gagcataatt gacttgaatc agtg 414

<210> 11411
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11411

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atgtacgcct aggcctttttt tttattgctg aaaatgcccc gaaaaatcac ccaggccccc 120
atgtgcgctcc ttcggagaac cgggagttaa acgtctcacc ctatgagctt acgccttcat 180
gcaaggaaaa ctcaccacct tcggagatca agaccgggag ccctagactg gggtatacca 240
tgtactactg aacacactta agcgagccta ataaaagttg aattaatgta aaaaatagca 300
cgacgcgatt gtttgcgcac tccttaatat gcgcgctcg 339

<210> 11412
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11412

acctttcatg tgttttttgg tttccaaacc ttatcctttc acagaaacca aaagggggct 60
atatctttta attctcttct cccttggcca aaaaaaattc aacaaggact aatcgccctg 120
aatctttttg tgtctctctt tctccttttc caaaaaaaca aaggactaac cgccttgatt 180
cttttgtgtc tcccttttca aagaattcaa aaggacacag tctgagaatc ttttgatctt 240
ctctttcctt naacaaagat ttcnaggact caccgctgag aatcttttgt ttcccttcac 300
aagtttcaag gactaaccgc ctgagaactt tgtcttaaca cattg 345

<210> 11413
<211> 82
<212> DNA
<213> Glycine max

<400> 11413

ctcgacgaca aattcgtacc ctacatctta ttcactgtcg actccgatgg tcaatgcttt 60
gctcgcttac gattacatgc ac 82

<210> 11414
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11414

agcttgcttg ataagcttct attgtagctg gatctttgag cttcaatgag gtccttcaat 60
ggtgattttt cactatggag atgcagcggg agataaagga gaagaggtga gaggagacgc 120
catccactac ggaataagcc atggaagaag gagtttcgcc accaagaatg tgtcttggtat 180
aagaagcttg gagagaatgc ttcaatggag gaagagaaag acagagagaa agagagaggg 240
gcgagcacga cattgaagga ggaaaagggtg gagagaagtt gaactttgag tagtgtttca 300
caagactctc attcatcana gttaccacaa gtgttacaca tgcttct 347

<210> 11415
<211> 289
<212> DNA
<213> Glycine max

<400> 11415

gtctactatc attgatatca tctctttctc catcatcggg ggcaccactt gagctgccaa 60
atccctccac cttttggcgt atcctgtgaa agatttgtgc tctcttttac acatgttctg 120
tagctacatt ctattcagag ccatatcaga attgtaatga tactacctaa cgaatgcaac 180
cattaggtcc ttccaagaat ggactcggga agattccaga ttagtgtacc atgtgacggc 240
tgccccagta agactttcct ggaagaaatg catcaacaat tattcatct 289

<210> 11416
<211> 333
<212> DNA
<213> Glycine max

<400> 11416

ttatctttct tattataact tcgcggagaa gctgcgttga gagaacttcc ttgagatgct 60

agagcttatac tacacgcacc catctaaaaa ctagagctca cctccttgag aaacttcctt 120
gagaagctag agcttageta cacacacccc tctaataact aagctcacct gcttaggacg 180
agaagctaga gcttagctac tcaccctat tatagctaag ctcaccctca tgacgtaata 240
catgacaata cgacaaatat cctactacag agactgctga ccatgccttg aaatgcgaga 300
ctagcaccct atactgctag aatggccgac ata 333

<210> 11417
<211> 342
<212> DNA
<213> Glycine max

<400> 11417

ctgaagatgt acgtgctaaa gttgttgaat cataatagaa taatttggtta caacgaataa 60
gtgttataat gctgggcgct ctattggaca aaggagactt aaccaaattg agtgatattt 120
aactttgcta agatagcgag tttcattgta ttgaccata tagtgtaaac actacttgag 180
tgattagaac atattctcta tcaaacatat attatttgta aaagccataa gtgacttaga 240
gacgaagaat acttgtgtct taatctcaaa gggagattaa ctgcaccgct aggagtgacc 300
tagagagctc ttgatatagc cataagtgc agagaatact at 342

<210> 11418
<211> 399
<212> DNA
<213> Glycine max

<400> 11418

tgcttctcgt ttattatgcg cccgaatcgg acatccattt gaatagttaa gaccatttga 60
atttctcgag agcttccggt gttcaatttc gagcgtctca acatattatg cgcccgaatc 120
ggacatccgt ctaaaaagtt atgccatttg aatttctcga gagcttccgt tattatattt 180
ttagcatctc gatatgtgat gcactctaaa aagttatgcc atttgaattt ctcgaaagct 240
tccgttggtc aatttttagc gcctagatat gtgatgcact ctaaaaagtt atgccatttg 300
aatttgcga gagcttccgt ggttcaattt ttagcatctg gatatgtgat gcgtgtgaat 360
cggacattcg actgagaagt tatgaccatt tgaatttct 399

<210> 11419

<211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11419

aagagaaaat ttgaagccct tngnagnggc ctaatgatac ctccgctgnt accncactct 60
 atannacact caagctccct ctaccgtann naaaatatta tgggccagtg tttttaaaat 120
 tatttgcgca atgtcggcag aaaaatatca aggcgtggct atataacgac cgatgtcaag 180
 tattttttgt tcaattcaac ccctgaataa ttttggatat tggccataag aaatgggtcca 240
 atcggcgctat caagtgaatg ctgctgtttta ttttataact ggtggaacgg gcatttttct 300
 ttgcgacatt cactattata tttttattta gggcgggaaa atgttttttg gcgacgaggc 360
 ggagattttt tatcgcagaa aagagacaca cccgagtgtg cggacacaac ctcgttgtgt 420
 ccgccacaaa actcctcccc ctctttgttg ttttgtttg gaaccacac acaaacctc 480
 ttctaagaaa aaaatttc 498

<210> 11420
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11420

ttagcttgat atttacaaca cttatatgac agagaataag aatgaatttt atttctagct 60
 tttggttcta gaagcaataa gcagcaggca tattctacac acacacaaga aaaagaatat 120
 ggtaggggtca taataactnt gtttaattta tcatatacta atttcatgcg acgtctcgga 180
 tgctgcatga ccattctat tcttttgcac aactaaacgg aatcaaccct tgcattattt 240
 ttcactcana tatgaatgat ggaaattaaa gaatgttgat tctgtaaact gggggcgtgt 300
 aactaacatc tctgatagat gtgatagacc agcccagcca atatagaatt acaagctggt 360
 tgaatntgat gagaagttct aacattaatt ttttacaatg gagtgtgctg atgcatcaca 420
 atga 424

<210> 11421
 <211> 372
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11421

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ttgacnattt ttttttgaag cacatttttg gagggacggc gaaccagggg ggagggcact 120
caaccaccac caccctggcc acgggtattt aatttttaaac atctatgata ttactcccc 180
cttgttcgtc gtttgtacac aactttttta aagaacctcc ttttgttgag tgcggccaga 240
tgtgatgggtg gtaaaaacgt tgatccgaat gatgtgggtc ctagatatga ttctgcttgt 300
agtcgacgct gagattcagt tggtttcagg atcacaccgc tatcttcctg atgtcgtaac 360
atgtcttccc cg 372

<210> 11422

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11422

tttctntact gtttttgtct tcaccgacga aaggatcaaa gtgggtatgg aaaaaggcaa 60
atctgatcat cctgcattga tgaatacga aattgnngca aatgaaaagg atgagaatga 120
gggagaaaacc tttgctatga ctgccattcc tacacggtea aatttctctgt cagcccaaca 180
atgtcattac tcagccaata acagttcctc tcaccaata atccacaaag gccatcccca 240
atcatccaca aagcctgccc gctgcacatc cagtgccaaa acaccaacca aaatagaatt 300
ntgtagcaca aagcctgtag gattcacccc aaattctagt gtcatatgcc aatttgctct 360
tatatctact tgataat 377

<210> 11423

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11423

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ggacggnatt ttaacgccga tgatttttaa gggttgtgcc caaaaaggtc ggtccaaaat 120

tatggaaccc gaggggtatg gcaaatatct tgggcgccga acgccccagg aaaaaaaggt 180
cgaccttatg gaactgtgaa aacctccgac atatatataa aggatgggtgc ccaaccagga 240
ggttgggggg gtgccccacg attattgaaa aatagtgggc tacgtatatg ccaaaggggg 300
ttcccttcag ctatataacc ccaacgataa ggcgtacaat accccaaggt tagtgggtggc 360
tctgaaccag ggtaagaaac g 381

<210> 11424
<211> 520
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11424

agcagcggcg gccgactgag cttttgcann cactgatgct attgcaagac cnggcgaant 60
cagctcggac cccgggatac tctagagtcg agcgtgttgc atgcaagctt tcttattatg 120
acnctagag aagctagagc tgagctgcac ataccgctgt catagctaatt ctcaccgtct 180
tgagatgaga agctagagct tagctacaca ccccatatag tagctatgct caccctatg 240
acaaaatact tgataatact tgaaggatga gtactacatt gacttcttta caacgccagc 300
attacatagg ctaaaccctc tactactaga atggccattt tcaatggccg tatgaaagaa 360
anactgggtct atctgtggac gaaaaacggg cgagtgcgta gccatgggct cgaaagtacc 420
cttatggcat gggaaccgta aagactggca ttcgactctg aaccaggtaa ttgagtatat 480
atccaacgac tgctgggtgg attgctccta cggtcttgn 520

<210> 11425
<211> 229
<212> DNA
<213> Glycine max
<400> 11425

atatggagtt tcatacaaac tctaataaag actacatata ctactcaac ttacctcacg 60
ctgataataa taactacggc tggaagacac aaaagatcaa actcatcctc acttactcat 120
caatgggtca caagaactat gataccagga cgacaccctc ctcttacctc aatgctgcga 180
tattcaaaac tacaaatgga agacacacat atcttactcg cgctcacct 229

<210> 11426
 <211> 333
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11426

 agctttctaga tgattttatgt ctgcgaatcc gacatgctgt gagaagttat gaccatttga 60
 atatatcgag cgctgccgaa gttcaatcac aagcagcata gatatgcgca tgtactcaga 120
 ttagacatta gagcgaaatg ccatgaccat ntctaataga gctgagagct atccgatttt 180
 taatcatcta gcgtctgaga tgagttatga cacacgaatc gacacatcta gagtgaacaa 240
 gagctgacca ttgcgaatth gtcgagagct acatatgtga atctctcaac gtagagatga 300
 cttatgaatc cgaatagaac atccgtgtga aaa 333

<210> 11427
 <211> 435
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11427

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 gagttttatct cttttatctt agtgagagtg attctcctaa attcttgagt gattcaagaa 120
 caccctggct gtatcaaagg actttcacaa cctttgtgtg ttgccctcgc tggaaagagt 180
 gattctttcc ttcctatcat ctccaccctt gttctttcaa accacaattc cataatatcc 240
 acctctgccc aaaattatct cgtgaccata actcccattt cacacactca aattaagtga 300
 ttcttgagcc taaattgaat ttcaaaacga gacctttcac ctcgttttgg aatcacctca 360
 tttggagccc tgtagcttcc gttattgcca tttctatatn tctgtccagc caccacttaa 420
 cctacgtgtt accat 435

<210> 11428
 <211> 398
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11428

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 attcagtctt gaggatggag caagatgttg agagtttgtc tttcatgggc acacacacag 120
 actgcatgcy caatatatat tcattttattt ttgttccttg tagctatcta tcttttcttt 180
 agagacactc ctatgtgaga cactttcaga cactaaggat agcttcctta ctccacatag 240
 tgagagactt gataatcctt tcttggtgaa gaaagaagtg tgaaagcaat gacttccaag 300
 attattttga tgatgccaaa gaatcaagag ttaagcagaa tctaaagatt caagagtcaa 360
 gtgtcaagaa caatcaagat caagattcaa gactcaag 398

<210> 11429
 <211> 526
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11429

agagagaaaa attttgatcc ccttcgaana nccgatttga gtccactgct gatccanctg 60
 taanancgnc nnnngntaca gctgacatgt ggaaagtact accatagncc atgacctgtt 120
 ggtaatgcgy atacattttc agcagatata tgcatatgct gaggcctttc atgcctgagc 180
 gggaaagaat aaatcttata tgggtctcgcc ttgactgtgg atcaaccctg aattctctct 240
 taatatctac acccgttctt cttggacaga aactgaaaga gccatntgac tgctaccact 300
 ggctaccaat gatgccgatc atctactaac caaaaattac atgatcgaaa aaaatattat 360
 atatatatat atatatcngc cacggttacg aatgtattta gcatcgagca cgagcctcca 420
 agatattcta aatccacata aaagtatcgt aaaagggtgta aagttgaaat taacattgat 480
 cggggaaatc ttgaatgact tttatcttat ctatcaatga taagcn 526

<210> 11430
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11430

atctctaagt cacctgcagc atgcaagctg tcctttttga canatactcc ttaccaata 60
 gaatccatct tggccctttt tccacaactc tcgtanatgg gagagaaaat gtcactaaa 120

gcataccaag tcctaataatt atcaaatnct aaaaattgag ctcccttagga gaaaaacaat 180
 gtgtgtctcc tagagacggc atcagctacc acatttggtt ttccattttt gtatttgata 240
 acatatggaa atntctctan gtactctacc cattntgcat gccttttggt taactntctt 300
 tgccctctaa tgtacttaag tgattgatga tcaactatgaa tgacaaattc ctcggaacaa 360
 aggtaatgtt cccaagtntg gagggctctt attaaagcat anagctcttt atcatagatg 420
 ggtagttgag agtggtccca agtaatgt 448

<210> 11431
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11431

agagtggccc cttgatcctc ttgaanancg acttataaca tgatgctcgc atttgcacca 60
 tcatgtgcag cttctcgcca gatggcatag aaacatatatt ttcattggctc ttctgagagg 120
 tgggaggaac ctcccttgta acctggangc cctggattct ctttatttta tgaatccctt 180
 gccttcttga aaataatggg aggggggatg gagaaggaaa aagatgattg aagtcgccac 240
 ttgaaggaga tgatgagtc aaagaaccct cccaccatan gaagtcatgg ataaaacctt 300
 gacgtangaa taaataatgg aggataggag aaacaaagtg tatcggtgaa aacgactact 360
 attgtgataa aactcgtata attgtctcaa actcgtccat tcatggtatt accgtatgac 420
 atagtatttt ctgttagtat taggagtaga acttaccttt tcattctggt gctaaa 476

<210> 11432
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11432

agcttgaatg ttgtccttna attgtgattt tccaccatgg agatgcagcg gaagacaaag 60
 gagaagaggt aagaggcggc gccatggaag aaggagcttc accaccaaga tgagccttgg 120
 aaacgaagct tggaaggatg cttcatggag gaaaagaaga gggagagaaa gagagagggg 180
 gagcacgaga tgaacgaaga aaaaggagag aagtgaactt gagtttgtct acaaactctc 240

attctcaaag tacacaagtg taacatgctt tattatgact aagtacttct tgaaagcttt 300
 tttaaaaact tcttgagaac ttcttgaaaa actacttgag agctagactt actaccacac 360
 cctctcatac taactcacct cttga 385

<210> 11433
 <211> 502
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11433

agagatcgta actgatactc tcgnanagca cttgatccct tcgatctcgc atcttgtgtc 60
 ttgaagaant ctaagcaatt cttgcatttg ccagtgcctn atactttatt actgngatat 120
 gtctcaagct tccagccaca aaatcaagcc caggetgcac aactgggtgc atcaggcttc 180
 tacaatagaa gcatatggaa tgttctcat ttgggtccatt tcaagctcat ttataagaca 240
 ttgattcana ttgaatccat cacctttcac aatatgtacc atgttgggtg aacaatcctt 300
 catccgacat atttctagaa cnttattaat ataagccttt tgagacaagc tgaaaatccc 360
 ttgagattga ttctatggat ctctatgcc atgaaatatg tttgatcacc caccatcctt 420
 cattgtcaaa atctttaaaa aggaaatatt ttacttcatg taccatccca aaatcattgg 480
 gtgcacgaag aatatcatca cn 502

<210> 11434
 <211> 325
 <212> DNA
 <213> Glycine max
 <400> 11434

atattccact aacgaccgac agaggatgga tatgcttaat taatgtacct ctaaaaggat 60
 gatgatctct ccattgcgta ggctatagcg agacaacgct taccatgcag caaccgctct 120
 taatttttaa tacatatact agaatgttcc cttattataa taatcaaact gacttctatt 180
 aacatataaa taatatccgt tagtgtgacc atccatacta acctaagaaa ctcatcacac 240
 atactcatta aaatacaaaa gcgcaaggat ataatatgct gaatatattt gtatccacac 300
 tcaaattgcc atatcacggg tgaat 325

<210> 11435
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 11435

tatgcatgtg ttttatgaag catctccaag actcagacca aggctatagt gcaagcaatc 60
 aatgaggcat aacacaccag atgattatga tgatggatgg ctcatattct cacataggta 120
 aactcatcac tttcaaattg agctttcata actatcatga catgtagagg agaatcaaag 180
 atttcaagtc acacaatgtc tagaactatt attttcaaaa caattaacca tttcttgac 240
 atatactatg attcaaagaa aaacatgcag agctgtacat gcacacaaaa ctgaccctaa 300
 atattatacg taaaatccga caaaactaac aacattaaca aattatcaca gcttacagat 360
 taacaaaacc aacattacta tctaaaccta tgaacactcc ccccatact ta 412

<210> 11436
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11436

agaagtaatt gagccttgaa gtccatcgta acttgatacc accaanaana aagccaaaga 60
 agaagggctg tgtttcaaga caaagttttt accgtatcat agaaaccagg gatttgcgac 120
 taaattggca aaccaccaat atttggttg ggggcttaaa tactaggag agctaaatcc 180
 cattgggatt ttaaaatatt actgagagaa attttgattt cttccatcat gttataagtt 240
 tattttaaaa atttgcattt ttgactatcc ttttcataaa aacatgcgat cttctaaaat 300
 atataagcgc aaaatttctg gcaccaccat ctatttatca ttaattctccc ctttctaaaa 360
 aaaaaaacia atttccaacc ataaaccccc ccatctaaca 400

<210> 11437
 <211> 524
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11437

agcggcagcn nccgaagagc catagcacac actgatgcn tacacggccn cgggatcgtc 60
 tcagtcgatc tgcaggcatg caacgcgtgg catgtattca ttaacctttg tatatcgccc 120
 tcnacagacc caagacagat atacgattat gttcatcaca tctctttaat agcctataat 180
 tcatatgaca taattctatc atcggattta aggcatcatt cacaatttaa tagatcacct 240
 cattgaaatc acttaagact cagcattctc ttantctgct cactctatta aaacgaatga 300
 tatcgttgag cacacgtcat gaacggttac attctataac tgatttggca tactatcagc 360
 tcttatatag aggttctcac atcgacaacg agattcatac acatgtncat gtgggatgtt 420
 agaccacttc ataccatatg gacgaacatt tggtcgtca tctactacca cctatatcaa 480
 atacaatggc ttcgccccaa cacaatagtt aataggcaca accg 524

<210> 11438
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11438

agcgaggant aatagaatnc cnttcgaaga ngcgacttga tgacattgta gtcgcatant 60
 tnnatacann gccacattgg gagagacgtc cttgtgtcga gggccatggg aattgttagc 120
 aaagttattg tattagaaac aggatgttcg aaagcaattg gaacgacgta cattcactag 180
 aaaactttct caaatccact atgctactgg aaatggatta cgccaatatg gggatgaagg 240
 actagagaga aaaaactata tgggaagcat gtttggagaa agatgcatgt gctacgaaac 300
 atatgcagaa gcttcgcgta cttatcttga ggggtgagtg atgtgtctcg aatctggagg 360
 atgaatatac ttgaatattg atacttgaat acttgatac agggacattc acacgattat 420
 tctctgtgat gatgaaatcg ttgcgctcat aaaataccgt tggaaagcat tggtcacact 480
 tatcttgagc gagccttctc tggatactag an 512

<210> 11439
 <211> 404
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11439

ttatcttgct agttcaaaga agaaaggcaa gcataggatg gtcaactaag aaacattcct 60
 agaaccaagc ctagacaaag tggtagccag tgtaactccc atcgaccgag aatggactga 120
 gattcgagac atcctanaga aaggctcact cccagaaatc caacaacgac cagaaagctc 180
 acaaggaatg ccaactatta tgtgataaag ggaggagacc tataacaacag aggctttata 240
 cacctttgtt ggaatgttta acaaagtacc agtctgaata tgtaataaat gaaatgcata 300
 gagggatatg tggaatgcat tcatgatccc catcgatgaa catctgagtt cttagagcca 360
 actacacatg gttgacactg agaagagact acacaccata tggt 404

<210> 11440
 <211> 223
 <212> DNA
 <213> Glycine max

<400> 11440

gtgatgactg agcatgactg atcgattact accttatcag gttgatagac tttgggttaa 60
 tattacaaaa gtatactttg taactgctag aaagagatga ataatacggt tgacacataa 120
 taacccttta tgatctacca tatctactag tataatagtc ttcttgctta acacatgggc 180
 tagttataga ttagctcttg atgatgcaat tgtaaaccat tga 223

<210> 11441
 <211> 531
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11441

tatagcttga gaaatannga tattgttgaa ggggttnnga acttccttgc tgggtgtattg 60
 tgtgaacaca cagaagtgag taccctcgca gcattcatgt cagcggggcg ttccaggaga 120
 accttggtg accgtcagag tgaaagtggc tattttgccc aataacccaa gcttttgacg 180
 caatcccgaa cccacaccg ggcattagtc gagtcatgtg aagaaccttg tgatagtact 240
 ctatagcaga gccgagcctc tctggcacgt catacatgat taaataggag aaacatagac 300
 tcaccaatag ccaagtgaga gcttctgttg gtggcttgga cacgcttggt gaattnatgt 360
 cgtaatattg taggatttgg tggccctcnn tggtaatccg attactcnag tggtgaggtc 420
 tatcggatta caagaggctt aaaatttgaa agacagagag ggctatggat cggctctcttg 480

gtcaatcgat taaccacag gggtgtaatc tgaataactca cgctttgaca g 531

<210> 11442
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11442

aatgagaact tgnagagtaat attctaacct tactggactc atttcantag ctgtatctgc 60
atactgatat tgttctcagc atagatcttt gtgtgtgtgt gtgtgtgtgt gtggttttgt 120
ctggacaaaag tccttttgct tttttgatga aactgtgtgt gtctctccgt ggtactaaac 180
aatttaccat atattctgaa gttagggatt gcgtctgcta aagttgaatt tgaatggaat 240
cagcaataat gcttcgaatc gaatcccctc ataactagca ggtatgtggt ttcatatgga 300
tgtaattatg cagtatatgg tatgctgaat ttttacgcag gatattcaaa gagtttgtaa 360
ctatgaccct tc 372

<210> 11443
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11443

tttcttcaga cctanatctc acanaatcta ggtatccaaa acccctcaat ttaatggatt 60
ttcaacgttt gagaagtgaat attgagaatg gtgtaaattt ggagaaaact ctcacctcac 120
acaagtctat aacatcaatt aaaacttgct caaactggat ttacaccta aattccaccg 180
aatcaaaaatt tgactcctca acaccaatt ttaccctaca aatggctctt tgttcacttt 240
ggtcatttgt tcttctctct tgcacagccc aagctttctc ataagtccta aatgaccatt 300
caaactacga ttaactcact ttaacctcca aatacca 337

<210> 11444
<211> 249
<212> DNA
<213> Glycine max

<400> 11444

tcaatcatct gatcattggg atgcttgaga agatgtctgg agtgtgctag acgcctctta 60
atgaagcttc tagagaaaac tacatgaaac tgccctggta gatacgctgc ccagccttcg 120
ttaaccgttg gatctttctca gaaattgggt tgcaacttca caagacactt taccatgatt 180
taaccgttgg tatctttgag aaaatatctg gagtgtgcta gaagcttccg ttcccgacag 240
catctctta 249

<210> 11445
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11445

agcttcacac ttgatatttg gagacacatg naacagcgcc tgggcaatga cactcatggt 60
gctccgaaca aaggtggagt atggaggatt tccttgaggg tccgcgctta agcaatcatg 120
aaaccagct ccaaactcga aagtggagga cacatgaaca accctaagca ataacattca 180
tgtggctccg gaacaggatg agaatggagg attgccttga gggctcctctc ttatgcaatc 240
atggaacaca gctcccagct caaaaatgga ggacacatga acagccctaa gcaataacat 300
tcatgtggct tcagaaaaag acgacaatgg acgattgcct tgacggctct ctcttaagca 360
atcatggaac acagcctcaa ggctcaaaat g 391

<210> 11446
<211> 519
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11446

gagagacnan tttgaagacc tttgagagnt acaanatgat gtcccnngtcn gatccttcgt 60
aanacncaan nncnnaaga tggaacangg ngnatttttt tggcaaagan agcatgagat 120
ttttttacgc atcttatcta taggataacg ccaagaggta tgtgagcatg cttctcattt 180
ggatatcac acccaatgat ctgttggtga ttggtgtaat acgaaacggg tataacactt 240
taaacattgc tggataaacc atcgtgagac gttgagaaga aatactgata tctattttaca 300
gagtgttaga acttttatat tctaacaatt acccatttct tgaagctata ctattattca 360

aagaaaaaca tgcatagttc tgcgtgctca ataaattgaa ccaggatagt ttatctgaaa 420
 ctgcacgaaa cttacataag ttattatctt atcccgtga ataatgggtga gaccatctaa 480
 tcttgatga gtgagtaaag tcacctcat tgtaaaan 519

<210> 11447
 <211> 202
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11447

tttggtgcaa gcttatcggt atggnaggaa aactngaata aaatcctagt tattccatct 60
 ttcaatagga aagacgactt aatgggttaac agaagagaag aagagagatt gccgggttcaa 120
 atttcttcca tacaagaag agaagaaggc taaattatta ccagggtctt ccatttctgg 180
 aacgttagaa atgaaggaca tg 202

<210> 11448
 <211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11448

cttggttggt tataagnann nnnaaatggt attnnanagg gttttttntg aagaannaaa 60
 agggggggata aggagggaag atatttaaga atangataag aagatttaat ttgttgtaat 120
 aagggttggt gtatattaat atgaaatggt aagagtagat aagtatagta ttaatgatat 180
 agaatatata ggggtatggag tttaagggtt gaatatagat gatagaagag gattgataat 240
 ggaatagatg ttgagtgaat ataatngat gtatngtttg atatataagat gatgagaagt 300
 gatgaatata atattataat agggatagtg tgatgcgtat gatagaagat aaaatgggat 360
 aagaatgtat tgtagtaatg agatgataga aataaatgat ttgataggag gtatgtatat 420
 gttgtataag tgagaacgat tgatcgcaac tgtaactagc atgttgatag taatgtag 478

<210> 11449
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 11449

atgttgcaag cttatctttt gataatacag ggcattccttg ctttatatag gcagaggaca 60
aaacagacaa aataactgaa taaacttcca tatggattta ggtcacagcc caacagttac 120
taatcagcta atttctcatc caatattgaa accatgcaaa tacatctaaa ggaagtgcaa 180
ttcagtgta cattcataat gctcgaacgt accccgacca acctaatata tatttggaia 240
gagtcaaccg tcagtccact gtaattgtga agacaaagag aaagatagtg gaacaagaaa 300
tatattacag atatagatcg gtttatttag ttacaagtta gttattaatg taattaatta 360
caagctagat attcttgtaa tcaattatgt aatacatcgc tagcattagt tatataaaag 420
tcaatgta 428

<210> 11450

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11450

cataaacaat tatgatggca tgctttanaa ttcataaana tgtgtttctt atattaaatn 60
tctgtataaa ataaaaatatt tgttttagaa tctggtacgt aaaactagaa ttcttatctt 120
ttaggatttt gcttttagta ggtcaatttg gtttgataga cgttgattat gtctgtttgc 180
ttttttttct acatgtcggg tttcaacatt gcttttaccg gttggttttt taacaccaat 240
gctcttgcta cacacgatta aaaccaactg gatgcgtatc ttaagagaga aacggaatca 300
gatcagattt tcctaccagt gcagtggggg cattttgtct ctaaggataa cgttcgcattg 360
cttcaacc 368

<210> 11451

<211> 328

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11451

agcttttgca ttctggaatc attnatecta tcttcgatag cgaatgggtg agtcccgtcc 60
aggtagttcc aaagaaaacc ggtctcaccg tgataaagaa tgagaaggat gagctgattc 120

ctactcgggt gtagaacagc tggagagtat gcatcgacta aaggagggtg aactaggtta 180
 cgcaaaatga cccatatcca ctgccattca ttgaccacat gcttgaacgc ctagcaggta 240
 aatcttacta ctgcttcctt gatggctctt catgtcacat gcaaatact attgctccta 300
 aggaacacga gaagatcaca ttcacctg 328

<210> 11452
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11452

tgaagcatgt gtcgttctga gagcttcaga ttagtttgtg agtgtttgtg agatcctaca 60
 ggtgaaggag acatcctccc cacttgtata tgtgcaatct ttcattctgt tcttctcttt 120
 gttgttaaga acgattcctg gttatagaaa gctaaatcct ctattggatc ttcctgtag 180
 gtacctgatg taaatatact gttatctatt taatgggtgt ttgtgcattc tctatgctat 240
 atgctattca ctccagtatg ctnttacctt gatcacgtag atgcatgctt tgttagggtc 300
 attcaatagt ggaaactggg ctgattctaa agtacttgat agtatacggc taagttatcg 360
 tattatcacg aggaatcatg gcgcgataat ctagtgtgt atgt 404

<210> 11453
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11453

agctagcatg cttatcgctt gcgtgtatta tatccactcc acaagggttg aagtagagga 60
 gagcttcaac cctataacgc aacatggcgg acaaaagtgg gcagtaaact ttgaatgggt 120
 gtcattgtca atgcgatagg tattctgcgc ttcactatcc atgttcacac attattgcag 180
 cttgtgggta cgtgagcatg aactactacc aatatataga tgttgcttat acanacgagc 240
 acatcttnag agcttactcc gcacaatggg ggcctcttga gaatgaagcg gctattcctt 300
 cttctgatga cacatggaca cttatccctg acccaactac aattcgt 347

<210> 11454
 <211> 534
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11454

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agggaattnn nnnagggccga ganccctttt tnngcattgn antangctgc ctgtatacaa 60
tagtagcacn cgctgctcaa ggcagttntc tcaaagaagc tntcanaga aagtttctca 120
aganagcctc ctcatggag ccacctgttg tctattaata gaagcctgtg ttacaactgg 180
ttgtaccttt gtgaattgag agtcctgtga tacacaactc aaaagttaac ttgctcttcc 240
tcttttattc ccttcattat tgagctggcc cccttctctc tttctttttc ttcattaaaa 300
catcctcttc aagcttctta tccaaggcac attcttgggtg gtgaagctcc ttcttccatg 360
gcttattccc ttgtggatgg tgctctctct atactcttct cctttgcttn cactgcatct 420
ccatggtggt gaagctcaaa gatccagcct ncatagaaag gctcacangc aagcttcac 480
aagtggatc agaagcacia agcttcaaga ggtgctctta aaccgtcatt attn 534
```

<210> 11455
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11455

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attcctaaat gaaatcttgc caattcaatt cnatctagat atgaattttt tcccataatc 60
acatccctaa agctggttga tcaactctaca tgcactaac aaagattgaa atagatcact 120
actaaggatt gatagaaaat aaaatacatc ttaatctact ttttcaactc caatcaaatt 180
aattcattga tcatatggcc aataaactca aagataatac attcagaaga agagagattt 240
ggatttattt tgtaatacaa aataactaag ctttttacat gatgtcaact ctattgagac 300
taatacttat tttt 314
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<210> 11456
 <211> 493
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 11456

aggcganaan actgaagcct tcgnanaacg acctgatacc ttgatctcgt ctaattacat 60

ngtgtctgtt atattgagga gggtgtttgc catttagann aagttatcat ncgggtggtaa 120

actaactttc caagatgttg ctttcgcagg aatggccccg atgaaacttg cctcanagat 180

gtccatgaaa gacaatgagg ccgacnggac tagttccgct cccgagtatg acagtcaccg 240

ctttaggagc gctgtacacc agcaacgctt cgaggccatc aagggatggg cgtttctctg 300

ggagcgacgc gtccaactca gggacgacga gtatactgat ttcaggagga tataaggtgc 360

ccgagtggac atcactgggt acttccatgg ccaagttcga tcaaaatatg tcttgagtat 420

tatgccaatg cttgccaaaca naagaaggcg tgcgtgacat gagatcctgg tatgggtcac 480

tggatccgtt tat 493

<210> 11457

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11457

attcttaagt cacctgcagc tgcagctaga tgattggtct aacttacatt ggatancagt 60

gggctgaang aggcaagttg atctcttgct tcataaatgc caaaaaaaca aaaagctggg 120

gaaataaaga ggggaggatg aaggacaacc cgtgctgtga ctgccattcc ttacaccaa 180

gtttccgacc acccacagtg tcttactcac caataaccac cttctcttac caccgccatt 240

atccacaaag ggatccctaa acaacccaaa gtgtactacc gcacttcaat gacaacatac 300

ctttacatga ccagacacca ccaaaaatga tttgagcgaa aacctgtaaa ttaccccatc 360

catgtctatg ctactgtcca tatctactga aattaat 397

<210> 11458

<211> 488

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11458

ggataatfff gatccttcga aagcacttga tacttggtta tgccttgcat ccaagatcaa 60

gaagcttcct agagatgtct gtccattagc gcttttctat taggtgtttc tgcaaataca 120
aatctgaaaag cccatccgat ttaaagaggt ccccttggggg tacataaacc acattggggtt 180
gtgcccttat cgtacttaat tgatctcttt aaactcctgt aaagtgagac tccttaggct 240
agctngatac cttgcacaca agcaaact agacataata tctgctcggc ttatagctat 300
gtaaagaagt gagccaatca tacctctatn acttgattca tccactgaat tacctctttc 360
atctaagtca agattagtgg atgttgcgac tgggtgttgat gcttcttttg caatttcata 420
ctaaatttct taaatagttt tgtacaatat tttgttgaca taagaaggct ccatcggtcca 480
tttgcttn 488

<210> 11459
<211> 301
<212> DNA
<213> Glycine max

<400> 11459
gggatatggg gcctacaatc aatattcggg atatggacag cctagatatt ttattgagtt 60
gcgaatattt cttatggctc atatttctat cggggagtgt ccagatatca catcaatatg 120
ttggaatcaa tagtaagaaa tgaagatcgg gcttataaat aaataactta aacagttcta 180
tttcttcttt gtatctaaac tttatgtatc tactattatt tataattcga acttcatatc 240
attcatagtc ggtgcatata agcaaattat atgtagtttg tttacaaaac taatcaactt 300
a 301

<210> 11460
<211> 516
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11460
agagagagat ttttgaatgc cnttacgaan agcgactttg ataccatagc agctccncca 60
ctatatgaaa gatgagtcgc accaagctgg gcaccacact gnatattgog agggagccag 120
ttttgtccaa ggagttatat gtgcatctga gaaccaatga tgacgaccag attcaaccga 180
tcgtagaaac atgtaccttc catcttgga ttaaagaaga acaagtcact caagttaacc 240
accactttc aatggaagat aagaacaact tacgacaagt tatccgagag catgctaacc 300

tatgtgcatg ggccgcgacc gacgttgcca gcatataacc aaccttccca ttgttgggaa 360
 tatacatatg cagagacacc aaactcatag atcagaagaa gagatagatg ggtgaagaaa 420
 ggtgttatgt agtgcggaag gaggtcgcaa tcttatggcg accgatttat cagacggttg 480
 ctacccacat ggcttatata tagtacggga aaaaaa 516

<210> 11461
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11461

agcttcctta tgaagattcc taaagaagct agagcttagc tacacatacc tctctaatag 60
 ctaagctcac ctcccttgaga tgagaagcta gagcttagct acacacccca tatagtagct 120
 aagctcacc ctatgacaaa atacatgaga atacaaaaaa aatccctact acaaagacta 180
 ctcaaaatgc ctcgaaatac aaggctaaaa ccctatacta ctagaatggc caaaatacaa 240
 ggcccaaagt aaggaaaaac ctattctaata atttacaag ataagcgggc tcatacttag 300
 cccatgggct cgaaatctac cctaaagctc atgagaaccc tangggcctt ccttggatct 360
 ctgaccaat ctacttgagg tcttcta 387

<210> 11462
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 11462

gcacgttctc tccttcagag gactacacgt tctcaccttc agattactac acgtgctcgc 60
 cttcagagga ctacacgtcc tccccttcat aggactaaaa gtcctccctt tcagaggact 120
 acacgtccac gccttcagag ttctacacat cttcgcggtc agagggctgc acgccctcat 180
 cttcagagga ctacacgtcc tggccttcag tgggctacac gtcctctcct tcagaggact 240
 gcacgcctc acctttagag gactacacgt cctagcggtc agaggggttaa acgccctcac 300
 ctttaaagga ctaaacgtcc t 321

<210> 11463

<211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11463

```

ttagcttatc gcttatcttc agagtgaatn nacgaaaatt cctaattttt gtttatttgt 60
gtaatgagct tgagcttgat gtacataagt cttattataa gcttaattat cttcttgtct 120
agttttataa atactcagaa actcttaatt gtgcttagtg agaaattaaa cttgtgctta 180
gagagagctt agcctcttct ttgggttttg attganaaca aaattgattc ttatcaaaga 240
agctagtcct ttgtggtgaa tcctccttcg gcttatogat tcttcgtgaa ttgtggcatc 300
attctgttta tcttcttcat cttatccatt atttttgttt ttctcttctt gagttcttgg 360
aaagtcaaaa atggtgggtc ttgaatttgc aactgga 397
  
```

<210> 11464
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11464

```

ntggcacaat ttgagcctta ctttgtatat gccactgatg ggctttacat tgggtggcata 60
cctcaaccaa acactgtggc gggccctcag tatcgccac tacctcaact acaaccctta 120
caatttttgg tgggaggact acctcctgcc atggtgggtg cgcaacctac ctttttgtgg 180
gcgagcgagg caaggctcac ggggtcgtct tccatgggag gaanatgcgc ggagttgcca 240
ccaacgttta ttgaaaggaa aatgttagaa aaaaccaaag gagaccggtc ataaagaata 300
ttccagattc gggagttatg tttatgcttg aggaaggat tagcacctct cacgtttgtc 360
ccaaaggaca acagccttag attagagttg tgtgaaatca tgtatcccta aatttttgtc 420
tctttt 426
  
```

<210> 11465
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11465

tttcttgna attatcttat aanaaatcaa gaagaagctt gttcgccat ggatcgctg 60
tatgatatcc actccacaag gattgaagta catgagacct tcaatcctat tacgcagcgt 120
ggcagacaat agtgtgcaat taacttgaat ggccattata tgggatgcca acaggatttt 180
gcactccatt atccatgttc acacattatt gcagcttgag gatacgtgag catgaactac 240
taccattata tagagagggg tacacaaaag aacacatctt aacagctgac tctgcacaat 300
ggaggcctga tgggaatgaa gcgactatgc ctcttctaa tgacgcatgg aca 353

<210> 11466
<211> 276
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11466

tcgtataaca ttattagctt gacacatact tctttcatgg gtcctataag ggataatggt 60
gtatagccta tcaatgcttg caccatggta cgactttaat ctctgacct taactaccca 120
tgatctgtct agagtcgatg aatgaggatc aaacaattcc acaaccncat atggcctgac 180
ctctatgata gtaaatagtc ctgacctct acatttgagc ttgccagaa ataattccag 240
tctggagtta acatcaatac ttgatggctc ggtctg 276

<210> 11467
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11467

ttatcttanc actttcggat gctctggata aaagcttgaa ggtaggagaa aatgagtaga 60
gggagaggga aagaacggaa tgaaattttg agagagaaaa gagggagaat gaggtctgaa 120
ctttgaagtc taatttctca aacataagag ttgcaaaata cacatacaaa gtctctatct 180
atagcataag tgtcatacaa aattagaacg aaatntgaat ttctattcaa attcacttga 240
attgaatgtg aatttatgga gccaaatttg gagccaacat ttcactaatt atgattagag 300
aatttcatct atgggtcaac ccacttattc cagatcaaat ccaagattct ccactaactg 360
tgcttacgtg tcatg 375

<210> 11468
 <211> 522
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11468

gagtcanttt tgagccttag aanagccacc tgatacattg tatctaccca ctctatagaa 60
 ccactaagct tgtcaacagg atacgcataa tctgagtatc ggtactaacc tattatatct 120
 actgtgctta tagcagaaac caagggtccgg agttccatta caatatattc acgattctct 180
 taatcatcaa ctcaagtcac aattctcggg ggttggtttt ttgaaaccta gcacacatgc 240
 atacacttaa catgatatta tgtctagact caatgagata tatgaggaac actatcatat 300
 ctctatattg ggcaccttct ttgatctctc atccattcca agatatgtgg ttggggatta 360
 tctatatgca cacgaccctc acccctttac catcaaaata ataaaaagcc gtggagaaac 420
 gtgctcgta actcgataaa cgtctccata tcaaagcgac ccattctatt ctaccagta 480
 tactaccga catggcgata gaaataagcg actgtacata ag 522

<210> 11469
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11469

tttcnngcca ttatatattc tgtgaggang cccatatggc ttaagctgga tgattctttt 60
 cttccaagtt catggccttg ccgtgaaacc cgcaccacat ttgaaagaat tcacattgtc 120
 tgtccaccat gaacccccag atgtccaaag gacacatttt ctgaggcttt tctcttcttt 180
 aaggaggatgc aaacgactgc tgattacctt gcccaagtcc atccgactgg gatgacttaa 240
 agatatctta aaatttttcc tgttcagacc cacctcagaa gatattagtt taacactcat 300
 gaaaagctga tgatctggag aattaaaac 329

<210> 11470
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 11470

tataatatct aagttcaccc tcatgtccat atacgtgaaa ctatagaaca agtccctact 60
accaagacta ctcgaaatgc cctgaaatac aaggctgaga ccctatacta ctagaatggc 120
caatatacaa ggcccagaat aaggaaaaac ctatttcta atttacaaag ataagcgggc 180
tcatacttag cccatgggct cgaaatctac cctaaagctt atgagaaccc tatggccttt 240
ccttggatct atagcacaat ctacttggag tcttatatcc aacgctcttt 290

<210> 11471

<211> 235

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11471

agctttanat gtggatagna tgcagagact ttgctcatct ttggaacctc ttctcangaa 60
aattgtgagc tacttttgct ttccttgtat taaatcctgc ataatagtag actgtagacc 120
ctctgtttga gcaattcttc gcanaagcag tggcatgana gtattatgta atgacattta 180
gttacagtct gtagttttaa atttttatta caaaaagaaa ggaaaagaat acgtg 235

<210> 11472

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11472

ggtaggatta tggagtaccc atcacctgtg gtactangtg gcgttctggc gatggtgcac 60
aacaagtttt ccacatccac aaacaacatt caaacagcac aagctatcac agccaagcaa 120
aacagggcaa aggcagaata ctctgctcaa acaccaacca anatcatatc tttntctcac 180
ttagagaccc cagtaacaat tccttcgac caatatcgta accgttggat cgactccaaa 240
atcttactgg aagtctatag tacataagcc tacattttga ccggtgggat ctactagaaa 300
acatccagaa ctcatctgc actagacttt ccacaggcaa ccacacacaa gcaattttct 360
gcacaaag 368

<210> 11473
 <211> 239
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11473

agcttgtgcg tatcaaata ctcccgcat ttatctctag catgcattct ttctctcttt 60
 acccactcct cacgtttggg tttttaggga aaaacacat aactaaacgc gccacaaagc 120
 atccctatcg caccagatcc aaatccagaa cgatgggtga tcaagatgag acacacgaac 180
 agatganagt cgacatgctg gctctgaaag aacagatggc ttccatgatg gaagccatg 239

<210> 11474
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11474

ctcaagctng aagtgatatc gaattactcg acttaagttc tcaacacana gtatatttta 60
 cactagaata aaaagggtatg gtcaaaagag tattctatat aaaatatatc tcgatacgag 120
 tcctcgaact atagagtatc aacattgcta agaacaagaa atcacgaaca accatactat 180
 ctatgcnatt aaggcaaaac accatactac taacataccc anaattatta agttcttata 240
 ataagtatac aacgtacata taagaaataa gaatttaata gtttaataagg atgtattaaa 300
 gaatcacaaa cttcaactac tacattcacg actacacaca anataaagtg agttaagta 359

<210> 11475
 <211> 522
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11475

aggtgcaatt ttgaagccct tagaagagac agattgagtc ctttctgat cacgcttgta 60
 nnaccacaca nnnntnagaa atgaagcnng nnagtgtatc tgagaaggaa gacagagtta 120
 tgcngagcag tttcaccccc acacgcaaga gagacacaac agcggagagc aagcacacga 180
 cgcaagcaca ncgcaanccg gcggcccgaa acccaggaag acaacgaagc acaaggcgca 240

acgaccagaa cagccaacga agcacaagca agcacaggcg gaccaacgaa aacccacacg 300
ggccgaaagc ccaggcccaa cgagaggagc anacaacgcc accaggacac acgaacaacg 360
ggacccacg gaggacaaag accccaaacg aacgacaaag cacaacaaaa cacaaggca 420
acnncagca cgcgagacga ccnacacggg ggacaagaaa gcaagccggg gagggcacga 480
acagaaccn cagaccgac cgaaaagaga ccagccagna cg 522

<210> 11476
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11476

nntttttttc tttttcttnt atcnanattc attctnnatc aggnncnnann nngngnnnnn 60
tntaaacccc nttaaatatt ctncnccca nnnnnnaaag anttttttaa ntnagaaaa 120
ccccaccac ncncnnncc nnnnnncan nncnaaaacc aaaacaaaaa aaaaacaaca 180
acccaaaaca ccancataaa tccacacaca acaccaacta aacaaaaata aaaaatataa 240
atacctatct ttccaattat tatacaaact ttatataatt aattttttat ctatcatata 300
caatcctcta tattcttttt ctatatatta ataaatactc aactatataa atcattataa 360
tcatactact ttcttatata actattttat caatatacta tataaaaaata aattatttct 420
taattatcaa aatattatat catttctcta atacataatc ctacatt 467

<210> 11477
<211> 338
<212> DNA
<213> Glycine max

<400> 11477

acaaaaacac ttccaggccc aattattggt aaattcattg ccaagttggg aatgattaac 60
atctattcgc caacttgatg gggatcacg attaagcaga tggagttagt tacaagaagt 120
tatttgagta gactagtggg tatggcaggt agatgggttac tacaagatat ttgagtaatt 180
agttgggttat gacagatagt tagatactag acattatttg agtaaactag attgggtactc 240
aaggtagtta ttttctgtct tctgataaat aaaccaactc tgtaatacta tgatgaatga 300
atactcaaat agttttcatc tatctttcat ttctgata 338

<210> 11478
 <211> 566
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11478

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ntcntttcaa gttcgttttc cgaatntccc acnctctngn nnatnngcca gnccgcnnac 60
atgnccttgc acggcagctt ccattacgtg tttatcactt ccacncgacc nngangncag 120
aagggagntg cttaatcatg tagtgactcc atgcacctcc actattaataa aaatatgttt 180
tgtaacattc gtcaaattta acatttgatt tttatgaaaa atctatgata agtacaaaagt 240
atgggtgata ttttttgaaa aataaaatga cttttgttaa cattcgattn tataanaatc 300
gatgtttgtg tataatttctc ttttaacta gtttnttatt ataaaaaaaa aaaaaaaaaat 360
caatgggtat ttttttactt cgtaacagt tgggtgtttgt aaaaatcgat atttgtgcat 420
tatctctcta acaattgnng ttttgaataa aaacttgatg ttatatTTTT tggctcgtaa 480
gccgatcaat tntaattcag ataaccgatt gttaaagaga ttattacaca aaacatcggt 540
gtatttanna taagtcgata gttgtg 566
```

<210> 11479
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 11479

```
aaaatttatt attataaacg agtaagtata aataatttta gaaaaataaa attttaagat 60
ataagaggtg atattacact attaagaata ggcaatttct ttttttgagg atcaatatga 120
gggggggttat ggatatatct accaagaatt tgaatattta aaaatggagg agaaaatttt 180
tgctgaaaat taaaagatat aaataggaaa ataaatctaa aaagataaaa atatcaatct 240
attttaaaaa ctgagatatt tatttattta tttta 274
```

<210> 11480
 <211> 531
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11480

```

cgatcccnc nnnnnaagg gnnnnnnnnn nnggggatag tcattatcct tanatttgac 60
ancntngaga cnacagcnna anacagactn cagagcttgg atccttggaa agatcccacc 120
tttctgttgt ctaatatattt gggcactgga cagcaggcca ctatattgca aagagagaga 180
gagagagtgg ggaactanaa acactttcta caccataatc ttaagagaag tcaaatttgt 240
tagtgttgcc tagtgcttca aagtgacttt tcgcgtacaa atcaaaaaaa acattacaac 300
ataagataaa aggaattaag aagatcaaaa caaaacaatt taaatcttcc cttttgtgtg 360
gctatgacac gagtttcttt attgagccta tggacttact ttcttgtgat tgtttcaata 420
cttgaggatc gagtaactgt tccattgctt tcatatagcg agccaagtgc taaagcactt 480
atcttttcat gactggaggg tgaagtagca tcatccaatg attgatattt n 531

```

<210> 11481
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11481

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agcttgttgt ttttaagatt acatctatac aaaggaattt ttgatggggc agcctccaag 60
actccattaa gattccttgg gtgaggtggg acatagtctg cctacctaag agtaaagggtg 120
ggttagggat caaagatttg attaaattca acgaggcttt gcttgctaaa tgggggtggg 180
agttggcaaa taatcagaat cagttgtggg ccacaattct attgtgtaga tatgggtggtt 240
ggagggattt gatttctcat angaactgca gtttagactc tccttggtgg aaagacctca 300
aggttatctt caagcagcag caaagcaaca caatttgtaa aaatagctct attttgccca 360
tangtaagga cgggtccatgg aatacaaacc aagtacttat tggcttgcaa caaaaaaaca 420
ctcattgga 429

```

<210> 11482
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11482

gagtatcngg aatgacctta agcaaactac naancnngtt tagtatttcg ctatganngn 60
cacctacgcc ttcaattaaa gatttagttt ttctaagttc cctatttttt cgtttgcct 120
tactactaac ttgaaaggt ttgaataaag gtttttcaat ggggacactc ngcgaagctt 180
tctcaattga tttttgttta agaactnacc ttagtttaat ggtttctcct aaaacttgta 240
agtattttgt ggtataattt gcctgttcca ttaagctttt aatgtctcta gaggttactt 300
cctcgttgac atcttttgtc ttgaatggaa ttgccatgac aagtttgtgt tactgtcttt 360
atatttggtg gttgatattg 380

<210> 11483
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11483

agggatgtcc tttgcatcga cantcggcaa ttattctgga accctgagag cctctanaga 60
ggccctccgg cgcgcgcgcn cgcnatact atgcgagtag ggaagacgaa tctcaggggt 120
tcttttagt cgattaccaa cgatcgacca ctatgcatat ggtgcggact atgtgccata 180
ttaggctagc tgatgcacca tcagatgtgc atgtatcctt aaaagatgga gctccccacg 240
ggggtagcag caatgaaatt gaagcgagga taagatgcca ctgctgtagc ctatagagtt 300
gcaggagcag aaagatgtga ggtggtgatg ctgctgatga gtgtactcan agtggtattg 360
aagatctgga tgttgagtgt gccaaagagt tgcttgatga agatactgaa attgttacia 420
ctgctgacct tatgcactaa ctgcgtacgt gaaaacgac tgacactcat tctttgagat 480
aactgaaat aatccggtga gatggn 506

<210> 11484
<211> 495
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11484

aaccgaatt agccagtcgn tcnttcgatn ncntngtana nacacacnaa tcnagaatng 60
gccgccataa agaagacaga gggctagtca ggcctttatc aacatttttc tncgcagcc 120

ggcgagaggg agagggggacc aacgcagtca tcgcaatgat gggacaacac gtgtaaacct 180
tattacacat totgagagga tcgatgccat agggacatac ccacgttctt ctctatcata 240
agccatcgaa catgactcct tggaaatgcg atcaatccat gtggctatag caagacttaa 300
atgacgggag aataataaat aatgataaac aatgtggaag caacgagatg accctgcaat 360
ataatcgagt acatcccatc tttatcggtc catctaacgt aaatagacgt gaccctgata 420
aaagaaatgt agccaataac tctagcagtc cttgtaggag cgcataatag aggttctaata 480
gacgctgata gaacn 495

<210> 11485
<211> 334
<212> DNA
<213> Glycine max

<400> 11485

ccacgatcaa caaactactt tccgcaccta ctatatgttg acttgacca cgcgtgttatt 60
gtaatgctgc gacaatcttt caacacctta ttgacacatt ctgatagggtt ggttgatcatg 120
tgaccatatac tatctocaca tgtatcacac accatgctcc atttttcctt ttaaatacgca 180
tcaatccatc ttgctatggc tggactcatc tgaccaaata tttctaaatc ttcatacaaac 240
acatgctctc aatgagtgtg cactgcatca aatatgttat catcaaaaagt tgtacgtaga 300
catcacactc acattaaatt aatgtataaa atca 334

<210> 11486
<211> 499
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11486

nccttaattc nccctcagcc ctctctcctc acgttctnng tcgnnnncnn aannnnngnn 60
nnnantatta nanacatntt tttaaccttt aatncacaaa annanncnna agangnnntc 120
ctaacttnna gagcaccacc accaccaaata nntnnnatac caaacactca aacccttac 180
acaaaaaatc catctataac tacacanata ctaaatccca ccaaacaatc ccaccatata 240
tacaaatgat gaagacggct tgcaatttac ataattntat acccaaatta tggtacaaga 300

gaacgtcttt gaagaaataa gtaagtcttc tacaaaaagg aagcctcaag ttgcctttgc 360
aattgaagaa aaacaaacct cattaattta aggccttaaca tctaaaccga tccaattggt 420
ggtgttggtc aagcaaaaaa agcgctttgg ttgagagtca cgaaaaaata tatacaaatn 480
tcgaggtgaa actctgaag 499

<210> 11487
<211> 249
<212> DNA
<213> Glycine max

<400> 11487

attcctatth ttgactgctac accatagaaa gagacatctt tctccctatc tcttctattg 60
cttcgcatta aatagcaaga ggtgtccata tattgagcct aattttttat actcgctcat 120
gcatgttgaa tattttgaca acattaagtt ttttataatt tatgaatgag ccttattgaa 180
ggactgctga ctgttaaagg tcatatataa atcactatcc cagtattata atttataata 240
ctaatttga 249

<210> 11488
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11488

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tgacatgttt gagaggtttt ttattacaat ttaaattggc tgcctcatga ggaatacctt 120
gcacctatgt agcatggaaa atacctttca atggatatgta tatatgtgaa tatatatagc 180
atggaaatgc cttgcaaagt gtgtgaatat atggcatata tataccttgc aaagtgtgaa 240
tgtatagcaa ataatgaatt tcaaaaatct gtatatgtaa gataggtagc gtaaaaaatg 300
cctttcaaaa tatgtatatt tgtgggtagg tagcataagg agcctttcaa acaaaatgta 360
cccatggcaa anatggcacg agaatgcttc ccaaatgaat atatgatg 408

<210> 11489
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 11489

agctntttatt aattgaatta anacgttcag aaactgctgg taatcgatta ccatatatgt 60
 gtaatcgatt acatagtgcn acatttgaat tcaaatttta atagctgttg taaattactt 120
 ttggccacta gtaatcgatt acatcctctg gtaatcgatt accagagagt aaatttgttt 180
 gagaaagact ttttaactta aatntcttgg ccaaaccctt tgctacttca attggaattc 240
 ccttcctatt taatataccc tttctaagac tctagagact gtcttgatca tccatcttga 300
 atatcttttaa tatctttgtc ttgaataaag ctatgagacg catgtgaacc tatggcatca 360
 tcataacatt cagcttgatc ctttgtctac aattactt 398

<210> 11490
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11490

agaagcatgg ganccgtgagg catcaacata acttttcagc ttgatacctta gtctacaaat 60
 ngaggcgtct ggaaagaatt attagtataa gtgacccttc ttataaaaaa ttccgagaaa 120
 aaaataagca tccatagttgg acattttttt tttcaaaaaa caatgtgccca ccaaaactac 180
 acatagtga tagttgggca tcactctcta taccaatatt tgatgttggtg gtagcgggtg 240
 gcatgggagg ttagctagtt gcccggtata ggtgggttct tgaaaatcta gagagagaaa 300
 gagatagatc attaataccta tttaagtgcc tottaatacta gcttatcttc taggataaaa 360
 tattatgcta gacanagaag atagggataa gagatganat aacatcttta catcctattg 420
 accaactaac aataaattac gatc 444

<210> 11491
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11491

agcttattgt ttattatgga ngttatntac ctatgcttga tgaagatagg ctcaagaaaa 60

cttggttaaag cttggaagaa gagtggaat ggtgtctcct ttcgtcttga ccagttgatg 120
aagaagagga agaatgagcg tgaatggtga gtttttagagt ttaaataaac ttatagaaga 180
agcttaaagc atggtctatt ggattatgga gttgatctat cctaatact caatnttgac 240
tcatgaatga cccttgctca gccatggaga acatgtacat cactatcgaa tgtgggtgtgc 300
ttcactcttg aaactcttac ttatanaaag ctaaagtaga cttttgccac aaatgggtat 360
tctttgcctt tatcaaaact agtaaattc 389

<210> 11492
<211> 218
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11492

gtgactggag tcatcaagag attataaaga tgtgattatg acttgagtnt caaatatcat 60
ccttagagaa tcgggcatca atcatctttg aatcatctat ctttcaatct tttcaacatc 120
atctctcaac atcttgcaat caatcttgca actctgtgta cagagatttc tgattcattt 180
ctcttcatct ttctaaaagg atgtgatcaa cactgtct 218

<210> 11493
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11493

agcttgtttg ngngcttct acggaggctg gatctttgag cttcaatgag gtcctttaat 60
ggtgattttc catcatggag atgcagcgga agacaaagga aaagaggta gaggaggcgc 120
catccactat ggaataagcc atgaaagaag gagctttcac caccaagatg agccttggat 180
aagaagcttg gagaggatgc ttcaatggag gaaaagaaag agggagagaa agagagaggg 240
ggtagcacia agttgaagga agaaaaagg agagaagttg aactntgagt tgtgtctcac 300
aagactctca ttcatanag ttacaacaag tgttacacat gcttccattt atagactang 360
tagcttcctt gagaagctnt cttgaganaa acttctcgag aagattcttt gagaaaac 418

<210> 11494

<211> 206
 <212> DNA
 <213> Glycine max

<400> 11494

cctgcagagg actgtctagg atccgcggaa acgctgcttc tacttcttgc ctatcgatgt 60
 acaccaataa cgggttgaga tggccgactg atttacttca ggagtgactg ctataaccgg 120
 gcaccatgcg atataaatga tcacgcatct cttcacaatt gatgcagata gggacatatc 180
 cactatgata gatcacattg accatc 206

<210> 11495
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11495

agcnnngtaag tatttgtgac tcatgagatc catggaaagt aagcatttct tcattttaa 60
 tgcgaaactta taatttttcc ttttttgctt cttgtaacaa attaggtcag aggaaaaact 120
 tggtttcaaa taataacagg acctaacatg ggtgggaaat caacatttat cgcacagggtg 180
 cttatcttct gttccatttt attgtaaaaa ttaatcatca ttgattgtc ttataaattt 240
 tattgtcaga tctcatcett ctacttttgt tctgggtgta attatgacca tcaattntgg 300
 gtgccgaat attctttctg aagacatttt agtcctcaca attcacatac ttgcattctt 360
 gccacctgag gttggagatt tgggtaacag tttttattcc tatatgt 407

<210> 11496
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11496

cgatactcag ctctatcgga agaatcggga gggtatgttt tccccccact anaaagcctg 60
 atgaaaaacc acccgtgtga gtgatcgtaa aaagaatgct acaaagtgtg tatagattct 120
 acttcaacta aaatagcagc cttatttgat cacgtgtgag attccagagg taaaacaggt 180
 caatcaagcg gaaagtcacg aataagaaca aattcgctcg ataagccagc gcagatctga 240

aaacatcgca aaccgaaaaa aaaatgcaga aacaaaggca agaccgaaa catccccana 300
 attaaaaata aaaacaaggc aaagaaaaaa cggagaggag gaaagcaaac aatgcaatct 360
 gtaacgaana tcagaacccc attgcctcga aattcacaac gaacagacgc atccagctct 420
 cattattatg ttatgcttta aaataataat a 451

<210> 11497
 <211> 228
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11497

agcttgagat gangaagtgt tgaaggggtga aacttcctgc ttttattggt gaccacagag 60
 tggtagctgg agatacgtcg cggnggtcag gagaccttgn ggacgtcang tggggtgcta 120
 ttgccccaaa ccaagcttga ccaatcccgga cccaaccggg gcatagtcgg tcagtgagaa 180
 cctgcgatgt acctaagcag gcgagctcct ggcagtcaac agataaaa 228

<210> 11498
 <211> 194
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11498

aactcaagct ntnntcatca cctaaaatag ccatttttaa gtgttcaatg cttttaaagt 60
 gncttttccg ctggtattgg ttaaattgtag atttctaaag gcctaaaatc aatatgtaac 120
 tttattacct atttcaaaaa taaagagatc attaattgggc caatgcctta atgtttttct 180
 ctcttttcaa aaaa 194

<210> 11499
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11499

cataaactta ggttatgtat ganagagact atgtttggta aaaatagctt ataagttagc 60
 taaaagctta taagctaatt aatttaattg caagtatttg gtaagactaa ctgatatgtt 120

gacagataaa tgtcaaaaga catagaacaa gatagtcaat tgtgcatagg tttagttttac 180
 aaaaagtgaa atatttttatt ttatgaattg aatcgataat ataaaaatca tgcacggaaa 240
 caaattagaa attatgtcac atatatttag aaaaaacata gaatggttca tcaaataatt 300
 gtanagttga tat 313

<210> 11500
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11500

nggggnccgg atangctttg ctntttgann nctagacnan cnnagacaca taccattgat 60
 tgattttctta tgaaaagttg tgntttttct ctatttctca caacgtaact ctttagtgat 120
 tgcttttata tagaatagca aaatttgtaa cttttgcaa actgcacaaa tgatgtcgat 180
 gtcaaatttg catagatcac tagaaggggt tcagagtact cattattgta ggggtctttt 240
 ggggacttaa gcatgttatg gccataccat attgacatct tggacagcgc taatataact 300
 gatatatatt taccoccttac gattttatgg ctggagaaat gtgtgttcgt gagtatgtgt 360
 tgttatctag aggtagagaa tgcgtgcatg ttatgatctt gaatcgatat aactaaatcc 420
 cctgatcaat cctgtggtga tgtggaacac tttttctgac atatgttgtc attgctgcaa 480
 agg 483

<210> 11501
 <211> 499
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11501

aaaannaagg ttggactggg atttgnanan cttaaactan gcacanaaca ggcgtctccg 60
 anacttatta agaggctncg atttcactct aaacatgttc tcaaaaatcc caacggctcag 120
 atcatgtaaa cttgtcttgt gaagttgcaa accaaaattc ccgaagatcc aacggttaat 180
 gaagcttggg aagcgttttt accgaggcag cttcatgtag ctntttctag aagcttcatt 240
 aagaagcgtt ctccagaagc ttctctgtgg cgttcttgag aagctntctc aagaggcttc 300

tttgagaaac tagatcctta tctatccaca cccctctatt aaaataaata actttcttaa 360
naataattac ggatgaaaat atgcgcaaaa taatcaaaca tcanacataa ttactaataa 420
tatatagata tatatatcag ggtgttacag ttntcgggta tagatccctt taactatccc 480
tcatatgatg tttgaccan 499

<210> 11502
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11502

agagatgant gaagggagag gaagagaaga gtttgaaatt ttgtgctcta aaaaagctct 60
gaaatctgag gtttattatt caaaggatca aagtggaaaa aaggccacac catgaccttt 120
tttatagcct aagtgtcacc caaaattgga gggaaattga aatttcaatt caaatttcac 180
tttgaatttg aaattgattt tgtggaacca aacttggagc caaaattcac taatatgatt 240
agtgaatttt agtatgattc agccactaa tccaagattc tccactaagt gtgcttaggt 300
gtcatgagac atgtaaagca tgaaggacat gcacaaagtg tgactatatg atgtggcaat 360
ggngtgtagt aagcaaattg ctcacctccc ctctaaaatt t 401

<210> 11503
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11503

tatgcttcac agncgtgcta tgcttgtgaa tatgtttctt ctcaataaca acacttaaaa 60
gctattacta tagccttata cttctttgaa aatgctttga aagatcttag agagatgtca 120
atcgaaaaga agccacattc catctcacia ggcatgccaa actagaagaa acaaacatta 180
gggcatgaat gtgataaaaa aatcatatat cataacatct tgggtgctga cgaagggtggg 240
gactgatcat cgatgcaaaa gtgatggggg cacaaactag gaacgactta tagcacgctt 300
ctaattgggag agatacatga atgaatcaaa ttcaatcatg aatgagatag atctaaagac 360
tgtgtacgta tgagactata tgattgaaga tgatct 396

<210> 11504
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11504

aagttcggaa cggaagaaa ttaaggttgc ctctttcaca caactaatac tncatcgctc 60
 agggctataa agatgtgaac aaaagattag aacatangag accaatgaac atccttagat 120
 gaaagaatta ctctaataca atgtctntgg acaaaacata aaacaatata tgtgcacaaa 180
 ataggtaatc ctttgttcta acaagtcatt tgcaatttgt gctaaacttt tatatcccta 240
 cacttcgagt agatttcttg aaatctttct aaacaatcat tgcttgtgaa tgtcagaagt 300
 gacttgactg tcaagaagac ttggattaan gggtctgttg tggcacaagt gagataacaa 360
 tacttgatgt acttagaagt gacatcaata atgtttattt tgatattt 408

<210> 11505
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11505

ccccagcccc gttcangact ntggcaatna ganagaccgc gagccctnaa gcaacctgag 60
 gcggcaacnn ctatatatttg ttncaaccta tctttgcagg aaattcgcaa aacaaaaggg 120
 cataactttc aatcctctcc ttgcaaaaga atcaacaggc taatcgctga atctttttgt 180
 gtctctcttc tcccttttcc aaagtataga gggaccaccg cctgaatctt tgggtctcct 240
 ttctcccttt ccaagagatt caaaggacta atcgcttgag aattctttng attcttccct 300
 tttccttaaa caaagaatt caaaggacta accgcttgag atatctnttg cttcccctta 360
 canagattaa atagactaac cgcttgagaa ttctttgtct taacacattg gaggggtacat 420
 tctttgtggg acaagtagaa ggtacatcta ctttgattgt tgaan 465

<210> 11506
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 11506

agagaatagt ctacgcttag cgcaacagcc gccttattgc tcttccaaga gttcaaaaac 60
cggaagagat tggcgcttag cgcctcctgg ccagctaagc ctagcttana agctcaagtt 120
acaaaatgga tctggggcctt agcgtaggat agcgcgctta gtgctgatat aatgaaatgt 180
ttacatagta aaagtcgcgc ttagcgcac tcattcacgcta agccacaggt ttaaagttca 240
attaccgcaa agatatatgg ctcaacacag tgatgtgcac ttagttgaac tattcaacca 300
accaatcang ggtctgagcg ctt 323

<210> 11507
<211> 230
<212> DNA
<213> Glycine max

<400> 11507

tatgtccggg ggcacgagac cttgggacgc atgtgtgggc tattgccaaa ccaacttgcc 60
aatcccgacc cacccgcat attcggaagt gagaacctgt gattacctaa caggcgagct 120
cctggcagct acagatacag gaaccagacc caaagcagga cgcttggggg ctgccactga 180
gaattctggt gaataggggc gggccttga atcatacaa gggggaatca 230

<210> 11508
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11508

gcatgctgaa tcttaaggat cccctataga cgccgcttgc gttactgtac tacacacgtg 60
agcccaactta gaggtgaagg atggatntat cgcaattggg gttagaatga acatgtgtag 120
ggatccttag aggatcaaat tgaaatttat tttgggatgt ttattggatt gtaattctgc 180
ctttatgatt ataatcatga gattgttatg ttagatgggc caattgatgc ctttatgtga 240
attggttcaa aaagttgagt gctattgggtg ttctcgtgta tttgaacctg tgattttgat 300
tcctttgatt ctgatatgat tatgtgaaat agtttgaggc gtttaatcat atgaacataa 360
catattaata ttattactat gtgacatgta tatgatgcat g 401

<210> 11509
 <211> 55
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11509

ttccgagttc taatncctct tatagagacg gggacgaggg ataactggac ggtcc 55

<210> 11510
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11510

agcttgnctc cagtcaccca taaacctatt tggaacatgt gacattgtgc ataccctatt 60
 tcgtccgggg attattatct gatgaatata caaccttgat tggccgcttc aagatacttg 120
 gcaccctttg ttgcacaata tgtgaagtcc cgagatgtgc cgaaaatcaa aaggaagcat 180
 gcttacgcga tccgtgaaaa ttccgtaatg tgacagacat cganaggaag tggttttcgc 240
 aatccgtgag ttttcgtaac ttcttcgaaa gctaaaaaag agtaaataca taatccgtaa 300
 ggattcgtaa ccttgcgga ggaaaataag tatc 334

<210> 11511
 <211> 190
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11511

aggacgcccc gcggnaggcg gtgacacaaa tgcaaaaatg atgacccgga aaccccatgc 60
 gaaactggtt atgcatgcac ttatgcggac gctcaagtgt ggagatttta tggatcatgtg 120
 atgcttgggt gcaagatgca attcctctag tgtaacaaaa cccggtgtgc tcaggataag 180
 ctcttatatc 190

<210> 11512
 <211> 307
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11512

aaaaggtttg actttttcaa tgggtttaag ttttctaaaa gtatactctt ctgaaggtct 60
tcttgaccag acataaagag ctataaagca ggctttgttt gcattttgaa caatcatttc 120
aatcttgata cttntcaatc attcaaacat ccttacaagc cttgatcttt taacttttct 180
tgtaccaaac ttttgagtta ctggttttca accttgaaac tgtctatcat ctttcattct 240
cttctctttg ccaaagattc ccaagactac cgctgatatt ttgatctctc tctctctttc 300
aaaaaag 307

<210> 11513

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11513

agcttantta gtatctgcga attggnggaa attgnnggag ggtgaacccg tacagtaatt 60
ttctagttnt gcctctgctg acaatcacia catatcaaca acgcatatt cagtagcaac 120
taaaggatgt ctccctgtat tactactggt atttcgccaa tagaaaatat aatgaaagaa 180
gaaatatgat taaactccga gtttaatgct ataattttgt aatcagatgc cagtgtaaaa 240
ttacttttgt gcataacctt atttctctta aactattttc ataagctatg caaaaccaa 300
gtaagcttga aataatttat ggagatatga taaactcttt tcataagaag tgcttaatcc 360
caatttatcc atttaattcc taggtaaaaa gctatggaca agagtatgga ccatatatat 420
atacttgaac t 431

<210> 11514

<211> 659

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11514

aacccttac nggtgggggg ggggcttttn gnnacnnntt cgnaccanan cgatgacgta 60
ncattagnag ccancnaga gccctatgta gcatgataga cgtgacagca tgtacactga 120

cgagcaagca cccctacttt actatgtctc ttataacana ctactctnch ntatncccc 180
 agtgagagat cagtagagcg tcatgtcatg tcacatctac gttcatgcat aagtcgagag 240
 acagtgagct atgcatcgta gctcgcatgc acatacaact cttggcgtgc atcaactatg 300
 agtgacttct ctctcaata tgtggttnga cccacgcca tcagagatgt gtctcaatga 360
 catatacata ccctcgtcag tgtctagtag agacaagaca tacacactct cactgagaaga 420
 tcgttccact cccaccgag cactaattgc gcacttctact cgatgagtga gcacttgcac 480
 ctctcaact taggagtgat ctccacaaga atcaggagtc ctccaaaggg atagggcgtc 540
 catcgttcaa ccagcatata gcaagcactg gtcaatagcg aggatattaa actcaatgta 600
 cttgagacaa agacatgctc actggactct ccgtcattct gatcaataga catagcaan 659

<210> 11515
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11515

agcttttttg atttaaacaat gggaccaact cattgtatct cagaaaaaaaa ggaagtcgta 60
 tctagtcaag gtctgagaga ccatacaagt ttcctaacga tttctaatta tgtgggcat 120
 taagtctatc atatgctgac aatagccgag aagcccatga atctcttcgg gggaggagta 180
 ggtgtctgcc attgccttgg ccttggttaa caagcgngga agttcttgac tcccggtcaa 240
 ggtaagagcg aaccgggtcca tccacatggt tgcctcttgg tgtaaagagt cgatcacct 300
 tcctctagcc tctttttccg cgtataactg ggcatactca tccgcgattc tatgctcgtg 360
 ggccgtggct agacctaact cttcttggta cttggcgatg atagctaaca tgttggctct 420
 cgtct 425

<210> 11516
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11516

actcaagcta taagacaaaa ttgctcaatc tttttcatta tgcattgtat ttangaagca 60

tgaacaagaa tcaagccaag gctattgtgc aagcaatcaa tggggcaaaa cacaccaaat 120
gattatgatg atggatggct canattctca caaaggtaaa ctcactactt ccaaattgag 180
ctttcaaaac tatcatgaca tgtagaggag aatcaaggat ttcaagtcac anaatgtcaa 240
aaactcttat tttcaaaaca attacccatt tcttgaacat atcctataat tcacagaaaa 300
acatgcatag tcgtacatgc acacaaaatt gacccaaaat attaaactaa aaatccgacg 360
aaactaacia cattaacaaa ttaacacaac taacaactta acataaccaa caaaacttgc 420
agaaccaaag aacactcccn cgctatact 449

<210> 11517
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11517

agctttaatt ttcaattacg agcgtctcga tatataacgg gactcaatca gacatccgag 60
taaaaagtaa ttgtcgtttg aatttgctaa gagctgcggt attcaatttc gagtgtctcg 120
atatattacg ggactctatc agacatccga gtaaaaattt attgtcgttt gaatttgctc 180
tgagcttcaa cattcaattt cgagcatccc gatataattac gggactctat cacacatccg 240
agtaaaaagt tagtgtcatt tgaatatgct ctgagcgtca acattcaata tcgagcgtct 300
tgatatatta cgggactcaa tcagacatcc gagtaanaag ttatgggtcgc ttgaatttgc 360
ccagagatac aacattcaat ttcgagcgtc tcgatatatt acgggactca atc 413

<210> 11518
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11518

aataacnntt tttactttcg gatggtcgng aaattgagtc acagtaataa tgtcaaagac 60
gcctcgaaat atgnnnatac cgaagctctg agcnaaattc ataacgaaca atacctatct 120
gactcggatg tcggattgag tcacgtaata tctcgagacg ctcgaaattg aataccgaag 180
ctctgagcga attcatacga caataacttt ttactcggat gtgcgattga gtcccgtaat 240

atgacgagac actcgggaatt gaataccgaa gctatgagca aattcaatcg acaataacat 300
 ttctactcgga tgtcggattg agtcacgtaa tatg 334

<210> 11519
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11519

tatggangct ggatcttttg cggcgatgag gtcctttaat ggcgatcctc caccatggag 60
 atgcagcggga agacaaatga gaagagaaga gaggaggcgc catccactat ggaataagcc 120
 atggaagaag gagcttcacc accaagatga gccttggata agaagcttgg agaggatgct 180
 tcaatggagg aaaagaaaga cggagagaaa cagagagggg ggagcacgag atcgaccgaa 240
 gaaaaatgga gagaagttgc actctgagtt gagtgtcaca agactctcat tcat 294

<210> 11520
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11520

ggggnnnggg tgagctanga cattgaatct tagactaagc cncttagaag attctagaga 60
 gctagagctt actacacatt tctctctata ccaaacttaa cctcctgaga agagaggctg 120
 aacctaactt cacacccct atgtaactaa gcgtaacccc atgattaaaa acatggatat 180
 tccaaanaag tgctactac caagaacaac tcaaattggc cggaatacca gggttaaacc 240
 ctatactact agaattgggca caaatccagg gccagaccat ggaaaaacct atatctatat 300
 ttacaaagga taagcggtc atacttaagc cattggctcg aaatctaccc ttaggctcat 360
 gagaacccta agggccttcc cttggatctc tancatcaatc tacttggagg cttctaccca 420
 atgccctgc tgggtngat gcattcttcc ctcaccttgg aaggatttga ctccatccc 480
 aagtcctt 488

<210> 11521
 <211> 283

<212> DNA
<213> Glycine max

<400> 11521

ctctccagca aaccagtata tatcatcaaa tccaataata taaacagtat aaagctcacc 60
atggggtttat caatagttga tcaattttta gatgatcgat aaccagtgat cagctaccac 120
agtccccgtt aatatatttg taatgagttc attcggttcaa gcaccattaa agcaacttgt 180
aacatctgtc tagcttttct atcaggagtg catctatcat tctccatttc cttgtaaata 240
atgggaacct gaccataata ttatcaattt atcagcatga aat 283

<210> 11522
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11522

tactataagt caagtacaat ataagtctca ttttataatg ttaatncagt aatataaaca 60
tgagaatggt aaacaaaata tattattaat atttttaata ccgggtacat tatgcagttt 120
tttttttttt ttattgatac tcagtcatat tttggctcaa gtgatccaga gcacatgcaa 180
tttttgtctt actttctatc ttatattatt cccatttctt tgcaacttga ggtgcatggc 240
taaacctttt tcattacgta gactaattct cgcataaatt ggactcctac atgtcaatcc 300
ttgttcaaag taattccgta aggatattct agcgtatcat tttaactctt ttttaatatt 360
tcttcttaaa aaaaaagctc ttttttatat gctaataatc taagaataaa atattacctc 420
agcagacacc aaaatgggta aatagtg 447

<210> 11523
<211> 490
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11523

aaaaattagc tgnncatcga tntcgncaat nataagnanc ngcgannctt nagncgactg 60
cggcatgcag ccnnatagtc natttagccg gaacccaag ggagggggggg ttaacacact 120
tcctttgagg ctatagttaa cccacctccc caagagttac cccccccccc cccccaaggc 180

tatataggct tggaacatgg taagaggccc aaccacgaat ctaggataga ttttgggatc 240
attgaattag ggcttaaggt ctatctcaat tccacaaagc tgactttaaa aattcatggt 300
gtaagggtgac gattatccat gccttataag aactacattg tgttatatct caagttgatg 360
aggggtctta atgcgcccac gaccacaaaa caaccctta tgtgtaggan taaccgttta 420
tggtggtaca aacgcaggtc acccaaaatg gatttaggtt atctcttcac catttaaatt 480
taagttacgg 490

<210> 11524
<211> 263
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11524

nccatgccaa tgcgaactga atccaacgca aaccataac caanttctat taaattcaaa 60
acgggacgta gttcaaagct taaatcagcg ttacctttca accaataagc taatccctga 120
cttaatatgg gaactcctct ttaaaccctt taattatgct atttcagtta tcatcagtta 180
atgcaaaact taaggactaa ataaccaaca actgaacaca atgtgcaaac ataataatct 240
acacgttctc aaattaataa acc 263

<210> 11525
<211> 183
<212> DNA
<213> Glycine max
<400> 11525

atgatattgc gccattccg ataacttgag aacaggttct tgagcggggt gatggcatac 60
tatttttggga aagaccaa at agaaggacac aaaagttaaa cttccatattg gaagaagagg 120
tcgatattat ttgatcttct atattggacc gctctatatg tcagacattg tattgatctt 180
atg 183

<210> 11526
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 11526

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ccactcnagc tgggcagggg gttgnacanc tgtaannata gagccagcag ctnggacatn 60
gaggaactga ggagagcaga accnactttt gttactttta taccnanang cgaganngag 120
gacgatgtga tattttctta gtccacaacc cctccccata gagcaatgag ccgtcatatc 180
atgacctggg taatcgagtg aagaaatggg gatccaccta cgataaacgg cgtgcatttg 240
aaagatgaca ctagattgct cactcatgcg gatgagaatg ttgagcatat catgaaagct 300
gtaccgagcc attcagcacc agcacagaga ccaatagatg atgattcctg caccgcaga 360
ttccaatggg cgccgaagga tccaaggttg cactctctcg aataaggaag gactcgttcc 420
tttcacaaca tacaactgtg aaacatgcta tgcacgttag ctatggacat tctcgagag 480
acagatattg aaaagatgct 500
```

<210> 11527
 <211> 190
 <212> DNA
 <213> Glycine max

<400> 11527

```
gcaaagaaag aacagttcac ttgctctcaa gtgacaaaca gagtggccaa tcaaaagaaa 60
atggtgcttg gtcacatcaag gatatcaacc atatgaacta aatatcatgg aatgcttaaa 120
tcaatcactt ctaacaagca tgcagctttt cacagataag atcacaagtg ttagagtcac 180
aactgaaata 190
```

<210> 11528
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11528

```
agctatcata cgcatgtccg atacangcgc atagcgtgtg gagactctag anatctaaca 60
aacgaagctc tcgagagatt cacatggtca taacttttca ctcgcatgtc cgatacaggg 120
gcataacata tcgagacgct tgatattgaa caactgattt tctcgagaaa ttcaaaggt 180
cataactttt aactcgcatg tccgattcaa ggcataaca tatcgagacg ctcgacattg 240
```

aacaacggat gttctcgaga aattcaaatg gtcataactc ttcactctca tgtgcgagtc 300
aagcgaataa cttatctaga cactcg 326

<210> 11529
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11529

cactatagaa cctcaagctt caccttctgg tctcctcat agttgttgca tgagttatac 60
attctctatt ttcactctcc actccaagta ggctccgga tcattctttc ctttacatgg 120
aggaatgttg agtttaatac catcaattcg gttttgtcta ggaacaccat cattccctct 180
tctcctcctt tcttcttcat tatgatctct attctccatt tgatccaacc tctcatggag 240
cgcatcatct cgttgtttca ttaacctctc caaatgttgc atcaaagctt gcatttgga 300
ttgcgaaagc cccactccat cattangatt agtacctgac atctcaaaca aacaaatcaa 360
acgtaacaag acaattatag tngctgttg aatacctcac ccactcaagt gtatcacaca 420
attatggctt ttctcttatg aaacactc 448

<210> 11530
<211> 204
<212> DNA
<213> Glycine max

<400> 11530

aatctcaaaa ttaatatata tgcctaccat gagtcaatgc aacacatctc tacaatgtgc 60
tatgttgaat taccacaaaa atagatggaa cattactatc tcttactaac gctattatca 120
ctgtaacata ttcagcacag aaaacatact taatagtgcc cctgcacata ctagtgacct 180
atcgacactg ggtattatac gaaa 204

<210> 11531
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11531

nggcaagggtt ttagcctagn annncntcgn antancnacb nantctgtag angtaaccncc 60
 tggngaaca acgaagcgca ttaacagttt cagcccatth atccggcagc gaggacagtg 120
 gaancagagc ggncaccta tccccacacc gaggccgcac agaaaccaat ngggcaagaa 180
 tagagtnaca ctcathta tgatcagtha cggagatacc ttcttccatc ttgaggctga 240
 acaaccggcg catcaagtat actttgttg gtgatgacag agggctcggc atatacgata 300
 atgccatcat taagcctgca cggagattct cgctcccgaa gtgaacgcga cgttttggt 360
 aatgccaagg gatcacgca gagcctgtga tctatcagtc catcttcttg aaatgtctct 420
 ggctaacccc gaatatgctg aacagcttct tctgaaaaac aaacaagggtt agcatggc 478

<210> 11532
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11532

agcttgtaat ttattntcc ttgctagaga tcaatcaaga gccctcctac ataaagggaa 60
 ggctctccca aaataattgg aatntcctaa tctccttta tgtccatgat cacaaaatca 120
 gcttgaaaaa tgaatttacc aactatgata agcaaattct ccactattcc tttcagataa 180
 gtaatagttt tatctacaag cacaagagaa atgttaattg gttgnggttc ttgtaactcg 240
 aacttcttat aaacaaaata aagcatcaaa tcaatgcttg caccaagatc acataaggct 300
 ctatcgantt tcagctccca tagtacangg aatgaaattc catgattgtg acttagaggc 360
 atttctttaa actatataag cattctcatt gagccactgg gaaa 404

<210> 11533
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11533

tggacatcac cgcttgagg aacctcaat caacttgatc acttgtttac ttatgtngat 60
 nntgagggcc acatcacctt tgattccttc ggtcttacac ttaagataat ccatgactta 120
 tgtggctatc aaatcattgt tgagtgtcat accctaattt cgtccgggaa cctttgctcg 180

atgacatgcg accattcttt ggtccttgtg aggtgcttgg caccatcat taggcaattt 240
 atgaaattcc aggacatgcc gaaaaaccaa aaaaatattg atgcacaatc cgtaagtttc 300
 cgtgacacac cggagatcaa aaggaagcat cgttgcataa ttaagtgagg ttccgtaaca 360
 ttccgtaagt caaaagggga tggtta 386

<210> 11534
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11534

gagcttgtgt tatgatgcca actaaagngg gcattcgggtg agcaaatcgg agcaccgttc 60
 aaccacttgg agttttggaa gatctacttg tcaaagttaa tggtttcgtt ntccttgaag 120
 atttttacat tttggatatg gaagatgatt catctagata tggttctata ttgaccta 180
 ggagaccatt cctcatgaca gcccanacca naattgatgt gcatataggg acacnttcca 240
 tgtagtttgg tgatgatgtt gtgcagttca acatctt 277

<210> 11535
 <211> 310
 <212> DNA
 <213> Glycine max
 <400> 11535

catggagatg cagcgggaaga caaaggagaa aaggcgagag gaggcgccat ccactaagga 60
 ataagccatg gaagaaggag cttctccacc aagatgagcc ttggataaga agcttggaga 120
 ggatgcttca atggaggaaa agaattgagg agagaaagag agagggggga gcacgaaatt 180
 gaatgaagaa aaacggagag aagttgaact ttgaattgtg tctcacaaga ctctcattca 240
 ttaaagttac aacaagtgtt acacatgctt ctatttatag actacgtagc tttcttgaga 300
 agctttcttg 310

<210> 11536
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 11536

agcntgtttg aattagcaca ggaancacag ggggaggggg actcttacat aaaaagaaag 60

cccggatcaa acgggataca atgtgtcttc caaaagacaa ggagggcata ngcatcaaga 120

catttaacat agcattgctt ggtaaatgga gatgggatct tatteggcat catggggaat 180

tatgggcaag gattctggag tctaaatatg gtgactggag atgcctggct gaaggaacaa 240

gaagcagcaa ggatttctat tgggtggcagg acctaatggc aactcttaat caatcacaaac 300

anggcactgc ttttcaaaat gtaacatgtt ggagtgtacg atgtggtgat taagccacat 360

tctgggacga ttgttggact gctga 385

<210> 11537

<211> 504

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11537

aaccagggga gctggcctcg acngtaacta ncttgacat acaccaccaa gctctaggat 60

tgtgnggtac agagaccatg nagcactttg tggettgctc accatgttgc acaacaaggg 120

tcccggggcc acgaagcgaa catacactca ccatactctg atgaccacct ggaaccgagc 180

tcacgaactc ggacgtcgcc cataacctga tttctctcaa cagcaggtcc ccagaagtac 240

tgccaagctt ccacaacatc catacaaaac aacattcaaa cagctatagc tatcacggtc 300

aaaccatcag agcaaaggca gaaaactctt gccaaaaaca acacaaccat atcacagcta 360

ttctcactta aagatccac acgcaataac cctcggtcca gggcattaac cgtccgatcg 420

actetaacaa ttactggac agccttaaaa cataagccta cattgtgacc gttggcgacg 480

acttacaac atgcgcgaca tatg 504

<210> 11538

<211> 275

<212> DNA

<213> Glycine max

<400> 11538

gttcatttta tgctactacc ccactatcac gtatgccag agcctgactt attgtgcgaa 60

attctctgga tactctactc ctcaagctga taagtgaag aagtggcagt gaactcgata 120

tagacaagaa agccaccaca agtatgctag cctttccaca aaaccagaat acgatggact 180
 gtaataagag attcccaacg ttgctgactc ggaattatac tttcaatgta tcgaatatat 240
 ctgacatttc atactatgaa cataatatgt ggcgc 275

<210> 11539
 <211> 146
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11539

gagatgtaca tantaaggtg ttatgtgaaa aagcactcgc agcaaaaatc aaaattgtga 60
 gaaaatcgca acgttgtcat tactgctctt agttgactca ttgaaattac attggaatac 120
 acatgctcac cattgctaac ttcaat 146

<210> 11540
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11540

agcttgata attcacccca attccagtgt cctatgctga ctgctccca tatctacttg 60
 ataattcaat ggtagccata accctagcca aggttcatca acctccattt ctccgagaat 120
 acgactcgaa cgcaacgtgt gcttgctcacg gagaagcccc ggngcgttcc attgagcatg 180
 gtagggctct gaagcgtaag gtgcaaggtc taattgatgc gggctggctg aaatntgagg 240
 agaattgctg gtaaatcctg acattgacaa gagatgccac acatggngca attntgaaag 300
 ctgttggtat gtgtccctaa tgactcatca nggtttccng tttatgccat tattgtaaac 360
 cacagctaca atggtaaagt aaatggataa gntgatattt ttgccctcat c 411

<210> 11541
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11541

tggacttccct gtgttctggg aacctctcct ttctcangtg tatccaaacc caancaccta 60
gttcaagcac gactttcttt ctgcttttgt tggcttgct tgcatagctc acatttttct 120
tttcaatttg agccttcact tgctcatgta gtttcttcac atactcagct ttagcctgtg 180
tgtccttatg cttaaacata gcaatgttag gcataggaaa caaatcaaga ggagtcaaag 240
gattaaatcc atacactatc tcanatgggtg aacaattagt tgtgctatgg acaacccaat 300
tataggcaaa ctgagcatga ggcanacatg ctcccaaga attagactt ttctttaaaa 360
cagtcctaag cagtgtgctt aaagtcctat tgactacctc agtttgacca ttag 414

<210> 11542
<211> 334
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11542

agttatccct aatatgatgc ttttaaccat acacaaactt ttgttagctg aacgttgaca 60
tggaaaacat gattgccttt cgagcttctg aatagctctt cttttggtag tccccàtttt 120
gattgtgaaa tctatatcat ggaaagtttt cattgtagat ctatgcttca cacctatggt 180
ntgcttctga atatgatgtc ttaataaaga acactcacag caaccattta tagctaagtt 240
caatcactta tgaggggact ctgtcgtcaa aaatataact taacaatcca acttggacac 300
attaactagg tccatcttgg atatatcatt ggag 334

<210> 11543
<211> 382
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11543

nnnnngggag atcagactcg ancncgtgacc acctgnattt gaaattcgcc tgcgggggaa 60
agaggttcca ttggccaatg aaaattgggg ttcttgacaa ctactcttta ttcataaaca 120
tcgccccaaa ctggaaagaa aaaagcaa at ggaaaccacc tgggtgcaacc ttattagccg 180
agatcctagc ctacgaatgt tttatgaaaa tattcctata ccagcctatt tgccagaatc 240
ctccttagcc gcttgaacac aaagccttcg gatggggaag acctccaaat gacggataga 300

ggcctttggt ggtcaacctc tgtccaccaa ctttgtcttt ctccataaat gagatatcat 360
 ttcttgtagt gaagaaggct gt 382

<210> 11544
 <211> 286
 <212> DNA
 <213> Glycine max
 <400> 11544

acatgtactt acaacgtgta tttgttatat acatcacaca cgtctccttg gctaaattta 60
 catacatgca tactcaaagc actttggggg accaaaaatt gcacatgtgc acatcttggt 120
 atttctaata cctatacata cacaaacttc atgatgaatc ttgactatct acacaataag 180
 gcgctacgtt tcatgctctt ttcaagtttt ttgctaccta aagtcgtatg caaattccag 240
 tatatatattc tttgctgact aaaattgtat taaaaggtag atattc 286

<210> 11545
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11545

nnnnnnnngg gattttctcng agtagnatca cttcacctat gagcactacc ccttggacct 60
 atgagtagga ggacatgtga atggatttta tgtttacccc tcttgganac tcgagaaaca 120
 cttgagatta gtgaagaaca ctgtttccac gaagatgata cggaccgagg cgctcctgtc 180
 acgtttccgt gggtgatttc gcgaagattc tccaccgttc ttctgcggtc ttcgaacgtt 240
 ctctgcctgt cttgggtctt cgaccgatac attcacgaaa tcaacttcca attcattcta 300
 tgacccttag tgtgctcgtt tgcttcacgt gcttttatgt gatttattta cttttcgaca 360
 cccttttgac gtgcttagtg attacttaag cattttctcg ccaatcaaga atagataaat 420
 gtccccgata atttagttgt atatccgcca tntctgttaa atgagaccga ccgttcggct 480

<210> 11546
 <211> 180
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 11546

taatcctcat ctaattgata ttcaactggg tcattagcag acttcaacta ttcaacaatn 60
tatacgaagt cttegaagaa ctaagactat ctgtctcata aagaagaagc gaactgagtc 120
cattgtcgac atggacgatg aagttcagta tgaaacacct ccattctgcaa gactatctac 180

<210> 11547

<211> 339

<212> DNA

<213> Glycine max

<400> 11547

ctgcaaacat ttatcgtaga cccctcagc agcgaaactt tcaattgtct taaaattatg 60
acctcacaag acacagatat aatccaggtt ggatgaatca tccaaatctg agatggggcaa 120
gtcctccaca acaacaacag tttagccctc ctttccagaa tgctgctggg ccaagcaagc 180
catatgttcc tcttgcaata cagcatcagc aacaacagag acaacaagca actgagaccc 240
ctcctcaacc ttccttagaa gagatagtga ggcagatgac catccacaat atgcaatctc 300
agcaagagac aatagcctcc attcatagtc tgacaaatc 339

<210> 11548

<211> 491

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11548

aanaagctga ctagcttgta ncntcnacta ttngngaanc acccgngan ccataaagac 60
ggctgcagcg gaangctcct taactaacac acaccaaaan cngcgagggg gagtttcgta 120
ctacaaaatt cacacgaatg agtagcgata ttttccatgt tgatagagac gaaaaatata 180
ttagcctacg taaaacacta acaatcaaag atgccaaacta gatagtttaa attgttatta 240
aacactaagc ggccattatc atcctaaaag atatatgac atacaattta gtcgtagaaa 300
gattgacaga caaaaagggc ctagtataga ttccttcatt ggacaagtga ggccttctaa 360
cgactataac gctagtgata gacaaccttg gaggactagt tcagatacaa gcatcgtaac 420
ttacggattg gaaaacgttc atgatgtatt gtgcgaagca atctgggcct aaactgaaga 480
gaggatggag a 491

<210> 11549
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 11549

actaagcctg gaacgtctct aataaagttc ttgtgaaaag aaagaaagta attgttgtga 60
 taagaatact cagattatgt cgaaagtgtg catagaagac gtgaatgctg gatataaacc 120
 tcacaaccac ttcactaagc ttgggtgggc aaatattgta gaatagttca attagacaac 180
 acatttgaga tatgaatata aacaatctag aaataggtgg gattctttga aaaaggaatg 240
 gaaattatgg gctaagctta ttgggaagga cacaagtctt ggctgggatg ggggagaaga 300
 aaaccattac tgctagtgat gaatgggtggg aagtcaacat tcacgtatgt attattcaac 360

<210> 11550
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11550

ctaaagttcc gcttcttcac tcagctgttg tgtgttaatt attaacttgt tctttcctct 60
 tttttatcta ctccggtaca gatgtattcg tggagctaaa ttaaactctg aagattttaga 120
 ttgcatggtc ttaagttcta tctattctga ggtgatgatg atgaacaaac aagtttactg 180
 ctataacatc cagtcaggca gtgagcatga ggtactacaa gagatattaa gcaactgttgg 240
 atggccataa aagcaaaggc ttttatcttt ttttttcttt tcttggnta taattattct 300
 gcaacacaat atgtacatat atgtgttgta gatgctctgg aaatgacctt ctttgcctcg 360
 aaaggctctc ttaaactatc gatttacact gatag 395

<210> 11551
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11551

agctnccact atatcncatc aaaacaacat tcaaacagcg caagctatca cagccaaaca 60

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11554

ntaagttgct tggatagcaa cttgtttcgg ggcatttaa gcttttctgt gatgaattct 60
ccatcagact tcttttggtt gggatgtgtg ctctaacaca caagattgca tggtcactag 120
cagccatatt ctcaattaat ttcatggctt cttaaggggt cttcaattnt atttttcccc 180
tgcagaagca tctaaaagct gcttggattg tggccttaac cegtcaatga aaatattgag 240
ctagattggg tctaaaaatc catgagtagg cgtcattctt aaaaaccac gaaatctctc 300
aaaacctcac tct 313

<210> 11555
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11555

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ttaatttcag ctttaccttc tcttcattg ttgtttcttc atttttctcc atgtatctcc 120
tcacatgtct agtggtgaat gttgtaaca tgaaatttta gaatttcac cgattaaact 180
tgctatagaa gctagatttg attttctatg attcanattt cttgttcttg ttcttgaatc 240
atgaattgtg ttgagtttag attccttga gttttgtatt gttatttgtt ctggctgaaa 300
cctataccat ataattctta cagaaacatt aaagtataag aaaacctcac aaatctagag 360
tgacatgttc atctattata gttttgtcgt agaagtcag tctagtcag 410

<210> 11556
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11556

gcttaatttc tttgcaagac aaaatgtgca tcggctactt tttatgtgta tgcattgtaa 60
atataaaaag accattgatg gacatccacc taatagctta agcttttagg agagttgggc 120

tttgacataa tattagtctc tatgatcaag tggtagtgag tgcgatatct gctacccccca 180
 attctgtcca tgcatacaagc acaaatagtt cttatgaggg gacatgtgag atataaaacc 240
 attcattttc caaatggcat aagattntac gagagatggc ccttgataga atacaacaga 300
 attatatgct ttgttaatct ttgaatatct cagcatcagc atatgttcaa tgctataaga 360
 caccggatac atgtcttatac ttgggttg 388

<210> 11557
 <211> 280
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11557

gataccttaag tcacctgcgg catgcaactt atattattta catagnaagg ataaagcaaa 60
 tatgatttca gaattacctt tacataaaag gagtccttgc ctgcaatcaa gtccctactc 120
 ctattcttcc taatctccta tatcttggct gactgccatg ctttatctca cttaccatca 180
 ccacaatccc tccctcaaca ctctacctcc ctctaaggta aaccttctga ctgctaacca 240
 cctacattgt ttcataacca acttgccctc tccccactct 280

<210> 11558
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11558

atacacacna agcttntatg agctcctatg ggtgctttat gagaaatctt aagattgtac 60
 ccaatgtagg aagaagatgt gcttatcgtt ccatgggtca accaaataaa aattgtagta 120
 cggaggacga aaagttcccc ttgatcacc aataccaaac ctcaaacttc tatgatatgg 180
 atctctattg gagaacaaga agacaataga tagagagctc cttgcaaag aaatatgaat 240
 tgagaggggtg tacagaatga ttaatggcct cacaattccc ttttctactc ctaggatata 300
 tctaagcaca cccacccctt agcatacagc aagggtcatt tgcttaggtc tatactcacc 360
 aaaactcact aaacacacac aaacataagt tatacatcat cacctacata attgatctta 420
 tgctttaact taaattgata gatccatgat ca 452

<210> 11559
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11559

tcagatcact tcctacatct catcttctac gcacccattt tcttttcttt taccacttc 60
 cttcacgttt ggttttttag ggaaaacacc cattaactaa acgcgcccgc agggaatccc 120
 tatcgcacca aaatccaaat ctagaacgat gggatgatcaa gaggagacac aggaacagat 180
 gaaagccgac atgtcggctc tgaaaaaaca aatggcctcc atgatggagg ccatgttang 240
 tatgaagcag ctcatggaga agaacgcggc cactgccgcc actgtcagtt cngctgccga 300
 agcagacccg actctcttgg caactacgca ccacccctcc ccanacatag tangacnggg 360
 aannggacgc actgngcacg atggcagccc tcacctgnga tacaaccgag ccgcttacct 420
 ttatggattg ccg 433

<210> 11560
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11560

taagcttcat tggagccggt gctgtgtatg gaagataagg tgttggtgtg aaagggattg 60
 ttttagttca tgggaaaact gcaattggaa ggattgatga tgattctgtt tgtgcaactc 120
 tggattggtg gcctcctcag aaatgtgact atggaaaatg cagttggggt catgcttctc 180
 tgctcaacct ggtatttttc ctttcttttt gtcttctggt tcctgaatcc gtcaaaaagt 240
 ttttttttct tttcagaata attagatggg ttttgcttct tccttttatt nttaattta 300
 taaatagcat tctctgcatg atgacgcttt tttttgctc tttagaatga tgctcgga 358

<210> 11561
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 11561

agcttatata acataattgc ctcaatcatt tccaaatatg catgtgaatt aggacgcac 60
 aacactaatc aagccaaggc tattgtgcaa gcagtaaagc gggcaaaaca caccaaatga 120
 ttatgatgat ggatggctca tattgtcaca aaggtaaact catcactttc aaattgagct 180
 ttcaaaacta tcatgacatg tagagaagaa tcaacgattt ctagtcacaa catgtcaaga 240
 acttttattt tcaaaacaat taccattttc ttgaacatat gctataattc aaagaacaac 300
 atgtaaagtc gtacatgcac acaaaattga cccaaaatat taaactataa atctgacgaa 360
 actaacaaca ttaacaaatt aacacaacta acaaatattc aaaaccaaca acac 414

<210> 11562
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11562

tgggaccttt catttttattc agattgtgta tctagtcaaa gtctgagaga ccatacaagt 60
 ttcttagcga tttctaatta tgtgggcatc taagtctatc atatgctgac aatagccgag 120
 aagcccatga atttcttcga gggcggagta ggtgtctgcc attgccttgg ccttggctaa 180
 caatcaagga agttcttgac tcccgttcac ggtaagagca aaccgatcca tccacatggt 240
 tgcctcttgg tgtaaagagt cgatcacctc tctctagcc tctttttccg cgtatacttg 300
 ggcatactcg tccgcgaccc tttgctcgtg ggccgtggct agacctaact cttcttggtg 360
 ttnggcaatg atagctagca tgttgggtctc cgtctcgcat aaacgctgag acaagctcct 420
 tt 422

<210> 11563
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11563

agcttcctta ttnatgattc ctaaagaagc tagagcttag ctacacatac ctctctaata 60
 gctaagctca cctccttatg atgagaagct agagcttagc tacacacccc ctataataac 120
 taagctcacc cccatggcaa aatacctgan aatacaaaan aaaatcccta ctacaaagac 180

tactcanaat acctcgaaat acaaggctaa aaccctatac tactagaatg gccaaaatac 240
aaggcccaaa caaaggaata cctattctaa tatttacaaa gataagcggg ctcatactta 300
gcccatgggc tcaaaatcta ccctaaggct catgagaacc ctanggcctt cccttggatc 360
tctgacccaa tctacttgga gtcttctatc caatgccctt gc 402

<210> 11564
<211> 345
<212> DNA
<213> Glycine max

<400> 11564
actcagctta tgatgaatct tgactatcta ctcaataatg tgctacattc tatgctcttt 60
tcaagttttt gctacctaaa gccgcatgcc aattcaagta tattttcctt tgctgactaa 120
aattgtattc aaattaaagg gtatacattt ttttgtaatg tattttcctt acataacatg 180
caacatattt atgtatattt ttttgcgaga cattgtgact accaaaaatt atatgcacat 240
acatccaagt attttgctat catacccaaa gtgtaaattg ccaaaggat tttgctacct 300
attctaaaacc tacacattca tgacgagcaa aattcctaaa catct 345

<210> 11565
<211> 260
<212> DNA
<213> Glycine max

<400> 11565
actctttttt ccactcataa caccatattc tcactttcta accctatgtt aactctaccc 60
ttcatcccta gcagttttcc ataagcaatt tcagcacata aacatcacia gcatcatcat 120
aaaaacccta aacagaatgg gtaagcttaa ctcatocaaa catggcaagt tcaacatgct 180
ttcaacaatt ttttcacaaa taactatcat gaagcagaaa cctagcaaaa ctacccatca 240
tatctcccaa agccccatac 260

<210> 11566
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11566

atcctgacna ccatatacct tgacccagag tgtgaatggt tacccttacc ctcggaagca 60
 aaaaagaata gaaaggaaat ttccaatcaa agataaagag aaggaaaatt tccaatgaaa 120
 gcaaaaaaga aaagaaggat aattcccaa tcaaagagt ggagaaagca aaaagaaaag 180
 aaaggaaatt cccaatcaaa gaatgtgaga aagtaaaaaa gggaaggaaa gaaagttctt 240
 gaaggaaaaa cagaaggaat atgcagagag gtctttggac cggacaatat ctgaacaata 300
 c 301

<210> 11567
 <211> 136
 <212> DNA
 <213> Glycine max

<400> 11567

aaagatcgca gcatgggatt attatgcttg aacagctcca cctgatgtct ctacagtatt 60
 acgtgccata gagatatgag atatcttgct ccaactcaatc tttctggaat gagggagtgc 120
 tcctgctata cacaaa 136

<210> 11568
 <211> 265
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11568

ctaaatagta anttgaatgc atatttgaat aataaagaca atatataattt aggtaataaa 60
 agttacgtaa agtattcatc tacatattat atcatgtagg aaaaaatgtg ttgatttttg 120
 aatttattaa atattttgaa tagacatggt ataataaaaa ataattaact actaactaat 180
 cataatgatt atattntggt attatggaaa ggaaatatga attggcgtac actagtgc 240
 atatcttggg ataaaatcgt ttatg 265

<210> 11569
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 11569

gggaagccgt tactgctaaa ctgaaccggc aacgccaag ggagggtatt ttctattgac 60
 agggacgagg tttctacagc aaggaattct gagcacgaaa tgaaccctca aatgaaaccg 120
 aaaaggattc atcacatgag aatgcaggag aaatctgaga ctagatgaaa gcttccgcaa 180
 ttacaacaag cccagcacag agacggccac taaacttctg tcccaatcgc cacacttttt 240
 cccccacaac agaaagcac 259

<210> 11570
 <211> 330
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11570

agentangtg ctatactnct ttacgaacgn aactgggcg gagacattct tataactaag 60
 acaaatgcac ccatatacaa tcaaggcacc ttcgatacct agattatttg tatgtactta 120
 caagggtgat ttgttaccta catcacacgc atctcctttg ctaaatctac atacatgcat 180
 actcaaagca ctctggctat caaaaattgc atacgtgcac attctgggtat ttctaatacc 240
 tgtacataca caaacttcat gatgaatctt gactatctac acaataaggt gctacatttc 300
 atgctctatt caagcgtata tgctacctaa 330

<210> 11571
 <211> 314
 <212> DNA
 <213> Glycine max
 <400> 11571

aacgaccacg acttaatcca acaacataga tgctttatat ctttgcgaa cttatcttac 60
 attcgacgtt gtggaacatt ggacaactac acgcttgaca cagtgcctgt acagagctca 120
 tctccacccg cagcacaaaa caaattagtt ggaaaaatga agataaactg tgtaagcta 180
 gacctataaa cgtacaagaa gatactgtca gtttgtttca ctaactaaat caaataacat 240
 gttttttag cttatatata tcattaagaa accagtacga cagtaccta aggaagggaa 300
 ttgtctttta atcg 314

<210> 11572
 <211> 351

<212> DNA
<213> Glycine max

<400> 11572

agcttttata ttagttcaac ttctcttctt attctgctgt aatttccacg ccactctcca 60
ttctctctct ctctcattct cttctcgagc aagcttggtt gatctactca aaagcctctt 120
gacattctat ctccatttg aatgtatcag aatctttcag cttcaacaat ggagaaaaag 180
ctttcaactt tcctattgaa ttagctataa acctttgcgt gaaattgatc ttcccaatcc 240
gactttgaag ctcttctcta ttctgagggtg gccttgcttc caacaatgct ttaactttat 300
tttatctacc tcaaactctc ttgatggac aagaacccaa aattttctac t 351

<210> 11573
<211> 202
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11573

gtatagagca caagagccca agtgtgtgct tcttaacctc tattaanac ggctctagct 60
actttccaac gacttcttc attgttctac atgtatatcc tcacatgtat tgggtctaaat 120
gtagataaca cgattctcta gaggcgccac cgattaaacg cgctatacaa gctagatttg 180
atactctatg gcacacatat cg 202

<210> 11574
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11574

agctngtnaa tgcttaaata ttggcatgc ctcatnaggc cggcgccgat cggaataatt 60
tatttggaac caaaagtatt caagttaaca atagtgtcaa cttaagatc aaatcaacgt 120
tttataatat ccacaataaa actaattgat gggatccatt taaagaacca atttatattt 180
caccctctac taatttatta gaaatgtcaa ccgtgagtgt agccanagc tagcaactgt 240
tcacaaaaga tctacatccc acttaggaaa aaaattcatc tgagatagga taaaaaaga 300
cagaacaaat gacaagttat cttgcattgt tgcctttgac aacaccgat ctactgttga 360

tccacatgca ttgata

377

<210> 11575
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11575

aggcgcggat ggaacgttct ttctgttgac acctgnatan acctagaata tacaacacan 60
aagcccctcg agtatnncat annnangaga ggagtgcata gagagtctat gttgctttcg 120
ngccatttta gtacgcggag gcttatgaac tttttagtct taattatact taatcctcgt 180
actattgtgt acacgtaaat gtagtcttat ataattgtgg cttctaaaat aggagtcttc 240
tataaaccga tgtctatttg actccatata gtctcggaaa atgtgtgatc agagccggat 300
ctttgctaaa ttgcacaaca tttttaactt atcggccttg ctctttgcct ccgacctcat 360
aaatcaggcg agctttgtaa gctgacaatt atggagcaaa tatctgatcg acattacctc 420
atttttccgt ctgaccgaac ccgagctatg gtggatatct gtgtacaaac gcacccctga 480
ctacaggttg ataggcg 497

<210> 11576
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11576

agcttgtttc ttatganaag ctngaagaag ttntgaagat gtgttggtt ttacatgcct 60
caactccttg agtggcattt gtattggttg ttatcttggg tgtttcatct tagtacattn 120
tgatatttgt attgcatcat gcacatcgg ggtttatgtg aagaatagct tctaagttag 180
aacgtttatt cagaggaaat aactctctat tataatcggg tacatcctca tcgcaatcca 240
ttacaacaag ttgtctaaag cttaaagagt tgagtctcat attaagttaa tcgattatag 300
tagtctttta atcgaataca ctgttgtntg agatagtgac tgatatattc angagtctc 359

<210> 11577
<211> 260

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11577

 agcttgtaga caacacggaa agaaaactct accttatgtg tctattgttt attcngattg 60
 ttaaggcncg ggatgcttca aagcatgttt gatttttgtg ggttggtgga atctgggtgtt 120
 gggtttcctt taaagtcctt gccctcgtat tgcttttgat ttgggaattc ttgatgaaat 180
 cttgtatatg tttaattgat ggttgatcca tgtctttttg gacttgtgtt gagcattggg 240
 atggttttga atcatttgtg 260

<210> 11578
 <211> 421
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11578

 agctttgttt tcctttgctt ggatgttnga aatcctccag attagtgact tanaaaatgt 60
 tcatacggng ggttttgag gttcacgtga tataccctct tcttattccc aaatgagagg 120
 aggccttact taaaaccttc ccagcttccc ttccattgct atctcatcca tccaaacata 180
 tctagctcaa tgagaaggga tccaggcttt cattaactat ctagctgtta tacaattgtt 240
 atatgtttca atgttttttg tgtatttctt tccattatct tgcccccaac tccacatgtt 300
 tctcactttt aaatgaatga nnacattttg ttgagaatca caatangatc aatntcatat 360
 tttgtcttta ctatcatatc agaaatataa gaactatatc tgctataatt gattgtatta 420
 a 421

<210> 11579
 <211> 365
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11579

 ntgaagcact cacatagngt tgaattcttg gatgaagagt tgttgtctat tgagagaaac 60
 aagacatgga gtctcacaaa gctaccaata gtaaagaaag ccatagcagt aaaatgggtc 120

tacaaaacta agttgaatcc tagaggataa gtaacagagt tcaaagccag actgagtgca 180
aagggatttc tgcagaagca aggtctggat tatgatgaag tatttgcctcc tattgctagg 240
ttggaaacag ttagacttgt aatagcaatg gctagctata attgctggga agtacaccaa 300
atggatgtaa aatctgcatc tcttaatggc tcactataag aagaaagttt tgtcactcaa 360
ccact 365

<210> 11580
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11580

agcttctata tatagctaca tgcagctgcc tcggtggaga tgctgcccag ccttgattaa 60
ccgttggatc ttctcgaaaa ttggcctta aacttcacaa gacacttttc catgatctaa 120
ccgttgggat ctttgagaag atgtctggag tgtgctagaa gtctcttaat aaagcttctg 180
gaggaagcct cttaatgaag cttctagaga aaactacatg aagctgcctc ggtaaaaatg 240
atgcccagcc ttcgttaacc gttggatcat ctcgaaattn tgtttgcaac tttaaaagac 300
actttttcat gatctgaccg ttgggatcct tgagactatt gtctggagtg tgctagaagc 360
ttccgttccc gagagcatct cttatttaag catttc 396

<210> 11581
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11581

aggaaaaaac ggtagtgctc tagacatgat actgcaaacg gccttcatac tacctttaag 60
gagcctagga ttttttcaac ttctgaaca atattacctg ggcttcccaa ttagggctat 120
tatgactaaa ccttgtgctt tttaaaacct aaaccaagta gaaatatctt ggaaaatatg 180
cctaaggggt tttagaaaaa cacaattatc atttttggct cacataaggg gcacaggata 240
aattattaat caacgttggc tttttggcta atgactgana attaaaagaa acacggcctt 300
gatcatttcc acctcattta aataaagcgt actaacttat aatgatgcca aatttcgaaa 360

ctgagaacag aacgtatttc accaagttta cacaactcaa cgggacaaga caaagctggc 420
 ttgataaggt ctcaaaatga tcaccatagc aacatgggtt aaaaggtt 468

<210> 11582
 <211> 270
 <212> DNA
 <213> Glycine max
 <400> 11582

tctgtgggtc gttccttgta tgtacatgat gtaaatactt gtatatctat ttaatgatgt 60
 tttatgtggt ctctgtgcta tcagtacttc atttcageat gcttttgctt tgatcacgta 120
 gatgcatgct ttgttaggat cattcaatag tggaaactgg tcagattctt agaacttcat 180
 aggacagggt tagtttatcg tattatcagg aatcgtggta cggtaaccta gttgtgtata 240
 tcgttttttt aatgcgggtt tcgtcaagtt 270

<210> 11583
 <211> 514
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11583

ngaaccggag ggctagtctt tgtacnctg acacctttga nacnaccgct ncntccccaa 60
 ttntctatca atagggggga gaaagtgaag nagaattatg gttcatnccc ctnatgtgca 120
 ctctctttct cgtctcgaaa taactggaag gaaaaataac ttcccgtgaa agaaaaatcc 180
 caaccggang gcgccttggtg ttaaccgttt cccgtaacgt ttcttngaa gtgatttccg 240
 cgaaaagttt tttgaccggt tcttcgaacg tcttcaattc attcttcacg ggtcttcaag 300
 cttcacccgg taagtacctc anaccagctg ttaattcatt ctatgtaccc gtgggtgggtcc 360
 catattggtt catgtatttt attctcgatt tcattacttt tataacccca ttgacgtgct 420
 aagccaatta ttttaagctt tctcgcttat ctagaataaa ataaatttcc cgatcggtga 480
 attgatcatg cgtaattttg gttaaatgaa ttcg 514

<210> 11584
 <211> 241
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 11584

aattttcttc ccatcagacc ttggatgcaa ctgtgattgt atacccatat tagctagatc 60
ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagtg tcccaatcac 120
actgtcacia acatttttct ccacatgcat aacatcaata caatgtctaa cgtcaagatc 180
tcaccagtac ggaagatcaa agaanatgga cctcttcttc catatgcaac tctgactttt 240
a 241

<210> 11585
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11585

nncccgagga tggatggatc gacnctagat tagccaagac ttggtagggt ttgagaaatg 60
gatttanctt ctgcaggacc tatgctctaa ggtgttgaag tgtgaaaaaa gggtgggtgct 120
atggctaagc cctttgggat ggaaaaagcc taggacttag ttcagggaag gatgctatga 180
tctctaagc agcagtctaa gtggctccca ctcatatcac actgaagttg taggctactg 240
ttctatgagg ttatcaagat tgcaagctgc tgccctgaca gattacttaa aaaacatcag 300
tgacaccaag caaacacatt gtcaatgaga agctgatcac tcagggtactt tctatttcac 360
tgcctatn 368

<210> 11586
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11586

tgttacaacc aacattctgt cctaccaagc cattgttggt tctatcctaa tgttangaag 60
attcgataaa ttctatttag atagggaaac tcagatgata gaaagggaag agagatattg 120
cacanaaatt gttgtaaata acagaatnta caatgaaggg gttcaaaaca atctcaagct 180
ctctaaacct agaatataga gctccttata aaggagacaa ctattatctg tctaaccaaa 240

aatagttaca acttataaca aaaaacaatt atagttacaa tacaacctat gttaatgaac 300
 caccagactg gatgctcccc tttatatgac tagatgctct accagattac aggagattag 360
 atgaccaaaa caaaagacaa gagtgttaga ctagacaacc aacactgtta tccacctatc 420
 tctatcgtcc atcatccaac aatcaacaat ct 452

<210> 11587
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11587

aaaaatccgt tagggcttgc atntctncan tatngaaan cccngggctc tnagnogacc 60
 tgcatgcatg cgaggcagag ctttataatc tgctcacaga acaaagcgca ccggggcgggg 120
 acgtagccgt aacaagagtc ctaaagaagc ccgagctcaa ctacacatac acttctatcc 180
 cgaagcatac cgtgttgaga tgagagtgtt gaacgttaga tacacacccc cattaatagc 240
 gtagctcaca ccgatgacta atcacatggg aatgcagtcg agccgtcctt actactgaga 300
 ctactcacac tgacccgata gacgggcttg gacctatac tactataatg ggctaataca 360
 tagcccatat gaaggagcat cctattctta tatttataaa gagtaggagg ctcatacata 420
 gtcgatgggc tccaactcta ctctattgct catgagaacg ctaggggccgt cactcggatt 480
 ctagcccaat ctacttgagg gcttcg 506

<210> 11588
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11588

aaaanccatg cttttnagct ggaaaactgg gggattgnta tcnactgtcg acactttcga 60
 gccactnaga gctgatgggt acacgatgga tacgtaccac atgtggtcgc gctttttatt 120
 gtttgtcctg agcaaacagg cgaactnctg agctacagga gggcgtctct gtagcacggg 180
 catgtatgca aacactccta gccgtacctt gattatgtta tgatgggcgt accttcgagt 240
 ggccataaca gagatactct atgaggcgac caatccctga tactgatgcg tactacacac 300

tcaaggatgc gcctagaacg atgaaccgtt gtccttcgcc caacatctga agagagggat 360
 ggacgaatca tatccacata tgttggcgtg aaggcgtccc aaaactccta cagggttgga 420
 catgattaga aggagagatg gtccctcttg ggggcgtacc ggaagacaaa aagtggacca 480
 cgccaaatac gttatggcgg gcgacaaggg gg 512

<210> 11589
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 11589

agtaaaatta cacaacgtga ttattcatgc atccctgaat tatcattggt gccttggcaa 60
 attatcacat cagaatgtat aaaataaata attaacagtt gtttcggcga tgtacgtcaa 120
 agttgtatac atagatatcc aaatacacia gacacacttt atcgggttaaa cttttactca 180
 tcatacatgg tgaaagaaag tgaaatatat atttttacaa aaacttggat acaatgaaaa 240
 agagacccaaa atgtattatc acaatattct aacgagaaac gggagaacta tc 292

<210> 11590
 <211> 276
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11590

cctgacgaca cctagagaag ctccctctgat tgttttttca gctcctatat ccacagagaa 60
 cagagtgtct ttagatccgt gcaacatect ctgaggaagc tctactatgt ctgcacccaa 120
 aagctttacc tttgagactc ttttccccag agcgcgcttg ctaatcttcg acaggtttct 180
 gacatcaatt atagccagct tgccgtcact tgatgcggan acaaggcatg gaaactcaaa 240
 cgcacgataa ttcacctcag ctgagtgagg aacaga 276

<210> 11591
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11591

naagctcatt ttttgttttc tcaaaaccac aagtgtcccg gctaattccg ccaccaaaaa 60
 caccatttgt tcccagagat atgggtcttt agggatgaca acagggtgag gggctctctga 120
 tcatgcacaa gttacaagag acaagcccaa accagtgagg gtatcgaaga tggaaccagc 180
 atagcaacaa gacattgcta cttgagcacc ctctgggtcca ccatttaaag ccatcgtaa 240
 gtttgtcatc aaatcccaa gtgagttccc ccaagccagg aactgttagc tcaagattga 300
 aggacttatt ccacatatgt 320

<210> 11592
 <211> 184
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11592

ctgaggcaca agagaatcga cagaatatcc atgtcttacc ngctccatcc agctccaccc 60
 gnatgtgtat aagccaccag aagatgaaac agaaattgta tgccgccaac cacaagcaac 120
 catgaccatc ttgtcacact gcaacattaa acaagcaaga attaggcaag gggaggaggg 180
 agag 184

<210> 11593
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11593

agcnnгааат tgtaatcaaa ngagangcgc tncataaggg gagtttctct ggataaacia 60
 gctcttagca gttcccatth cccactcca tatctnttgg ttgtcaaagc agccggatgg 120
 ctcttagatt tgtcaaattc agtagcaagt tcttcaccaa ggcttcttcc aacatgaaat 180
 gatctatgtg cctctgagaa ctctctggat gtgacaaatc tataaggctg atctttgtct 240
 gcccagaact gtcctgata cttccatgat gttacctata acataattaa tgggtccaaat 300
 acaatatata actctctttt accagtgcag acagataaaa ttattgagat caatcact 358

<210> 11594
 <211> 601
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11594

acacacgact ggttggcctt tgattagnat catcntcgan atangcanca angncnanng 60
ggannncggg ccacagagca gagaggagga atatantcat tttcctggcc nctttttatt 120
ncaagcacgg cgaagaggta agattatgaa ggatgcttat atagaacaac gtatgcagca 180
ttgctaatta tgagcataaa agcatcttgg tggcagtgat taggagcatg taacatacct 240
tgacagagcg caattatatt ggtgcgagag tggttaattcg ccaagtgata gctaacgctc 300
tntgttcgtc gcaaaatcng aagagttggc cgtacatccc actgctgcta cacaacgcta 360
ctgcgacata agtgtggaca acgtcctcnn acntaggtta cacatatgta gcgttacagt 420
gcacagcgta taggctacac actccgcttg caccacacag tcatgacttt gacttaagga 480
gatgcaatgc atccaagaag gtcacgctta ttgcgatgct caacactatg ttagngcgct 540
aaaaagtcac gacttctggt tgtgtgctaa ctgctgctaa ttcctatctg cttctaattt 600
n 601

<210> 11595

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11595

agctnttctt gcatgttcac accatattta ctatactgtg atcaactgat gcaatctatt 60
tgattgaaaa gataatttat attactcttc taatgtagtc gacaactaaa aaaatataac 120
agaaagtaat gcttaagcca atcaaataca gtcattttga atctcatcat tactatcatg 180
catctcanag agaaggagaa tcangcatcg taatgcatag cacaacanaa cattaaaaga 240
aaacatgcct tctaaagcca accaaggtaa aaatgtatgt atatttgtga actttntcaa 300
aattataaca catatataaa aacatggtgg aacaatctga ccacatgcac aacacattcc 360
acacattatt tctgaaaatg agtggttaagg gaatataata aagcattggt attaaaact 419

<210> 11596

<211> 300

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11596

actcaagctt atcttaccta tctatctccc agatgtctgt gctatgattg tttttataaa 60

aaacatgaag ttctaattca agatgttttc ttgttgcac gggcataatg caatcactct 120

atgtctagca ttgattntat taagatgtcc ctacctttga gttctactaa aaattatcct 180

ctctcaagcg actaatccct aaaactgatg catataaaac cttcaatgta tttctactaa 240

ggattaccct ttttcaagcg ccaaaccct gaagatgatg caaggatgaa gcatataata 300

<210> 11597

<211> 308

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11597

agctttgggc ataatggata aggatagaag tccatgattg gataatggaa aagttaagag 60

gtggttaata ttaacctcgg cttctgattc aaaattggat ccttttgatg cagggctctgc 120

catcaaacag aggttgactt tcttcatttg atgatgtctc ccacgtgctc attaatactt 180

tcttgtcctt tggttcgaag tactttctct tataggctga tatatcanaa attggacatt 240

ttgacttgaa atgtcctggg ttcttgcact catangatac gaatggagct ttctctggct 300

ttctctat 308

<210> 11598

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11598

cactattaca actactcaag ccttagtgct atacctnntt tgacatttag tactaatcag 60

acctattgtt gcnctttatc attcaaaata gaatggctgg acaccgcagt agaagctcat 120

tcctcattca aaatttcaaa gacaacacat gtgaatggct annttggtgc attttaatca 180

aatggttggt gggcgcccac gttaaaacat gaaaaaatat agggatataa gagcnaacat 240

gatatgcaac atttacaacc agaatcaaag gatatggcct agaagccatc cattgcaagc 300

ccttaaccca agcatttaga caatggattt tcacataatt tatctcacia atattgcca 360
gataacaaca aataaagcac caaataccac aaggaagaag tagaaataga tagagatggc 420
acttacttga gtgggatgaa tggaaagcaa taataattg 459

<210> 11599
<211> 415
<212> DNA
<213> Glycine max

<400> 11599

tgatgatatg gccttcacgc gatgaaagga tcacattgag tcttttaaga ggcataattg 60
atcatcatatc tttgataaat gccaaaaaaa ctagggcaag tgaagaggat gagaaggagg 120
gagaaaccta tgctgtgact gccattccta tacagccaag tttcccacca acccaacaat 180
gtcattactt atccaataac aaaccttctc cttaccacc acacagttat ccacaaaggc 240
catccctaaa atcaaccaca aagcctacct accgcacttc caatgacaaa caccaccttt 300
agcgtaaacc ataacaccaa ccaagaaatg aattttgcaa caagaaagcc tgtagaattc 360
acccaattc cagtgtccta tgetgacttg ctcccatatc tacttgataa ttcaa 415

<210> 11600
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11600

agcttgaatt gatcaacgga agctctcgag aaaatcgagt ggtcataaat tntcacacag 60
atgtccgatt cggggaaata atatatcgag acgcacgaaa ttgaacaacg gaagctctcg 120
agaaatttga atggtcataa catttcactc ggatgttcga tccggggaca taatttatcg 180
agacgctcga aattgaacaa ccgaagctct cgacaaatta gaatggtcgt aacttttcac 240
gcgaatggtc gattcgggga cataactcat ctagacgctc ganattgaac aacggaagct 300
ctcgagaaat tngaaatggt catagctttc acaccgatgt ccgattcggg aacataatat 360
a 361

<210> 11601

<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11601

aagctgaacc atntatttta aacacaagng agttttattc agaaattaga gtttatctct 60
ttatcttagt gagagtgatt ctcttaaatt cttgagtgat tcaagaacac cctggctgta 120
tcaaaggact ttcacaacct ttgtgtgttg tcctcgctgg anagagtgat tctttccttc 180
caatcatctc cacccttggt ctttcaaacc acaattccag aaaatccacc tctgccccaa 240
attatctcgt gaccataact ccatttttac aactcacat taagtgattc ttgagcctaa 300
attgaatttc aaaacgagac ctttcacctc gttgtggaat cacctcattt ggagccctgt 360
agcttccggt attgccattt ctatatttct gtccagccac cacttaacct acgttttacc 420
at 422

<210> 11602
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11602

agcgatgcan nagcttctac tttttcaatt nntgagcccg tctcgatatg atgacgaaga 60
cnntcaatca gacanntccg agtaaaaagt tatttgctgt gtttaatttg gctcagaagg 120
ttcaaccatt caatgttcga gccgtcgtcg ctataaatta cgggacgtca tatctaakat 180
ccgagtaaaa agttattggc gtttgaattg gctcatggct tcaacattca atttcgagcg 240
tctcgatata tgacgagact caatcagaca tccgcgtaaa aagttattgt cgtttgaatt 300
gtctcagagg ttcaacattc aatttcgagc gtctcggtat gttacgggac tcaatcacac 360
gtccgagtaa aaagctattg tcgtttgaat ttgctcagag attcacattc aatatcgagc 420
gtctcgatat attatggga 439

<210> 11603
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11603

tcaacatcag accacttcca ggggtgttga tctacttcac atgtatatga tggggcctat 60
gcaagttgaa agccttggat gaaagacgta tgcctatggt gttgtggatg atttctccag 120
atatacctgg gttaacttta tcatagagaa atcagaaacc tttgaagtat tcaaagagtt 180
gagtctaaga cttcacagag agaaagactg tgtgatcaag agaatacaaga gtgaccatgg 240
cagagaatnt gaanacagca ggttcactga attctgcaca tctgaaggca tcactcatga 300
gttctctgca ggcattacac 320

<210> 11604
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11604

acacaaaattt cagcatgcgg agagagcctt gaattatcat gaacgtcata catccatatt 60
agggaaatgaa aaaagttaga gtatccacac ataactttca atctactaga gactacattn 120
tgatagtata atctccgact acaaaccatt aaaatttcag aagaatgaca tttatcanaa 180
agtgtgtagt atagctttga tattacttca ttagctatatt agagaattgg tattataaatt 240
gtcaaaatga aaaactacta tatgttagag atagggggag caacatgaga taagcaacat 300
gagcgacat 309

<210> 11605
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11605

nggcccagag ggataactac ganatcgaan cntggnacna cgcttgcnta gcgttatgcg 60
agacggagac caacatgcta gctanctttc gcctattccc aaattaagta nggctaaccc 120
acggccacga acctaaaatc gccgatgagt atgcccacaa attccccgaa aaaaaagggt 180
aaagaagggt gaacgactct tttcacccaa aaggcaccac tgtgatggat cgggttggcc 240
ttaccttggg caggaagtaa gaactttccc cgattgtaac ccaggccaag gcgatggcag 300

acacctactc cgccccgaag agattatggg cttctcggct attgcagcat atgatagact 360
 taatgcccac atattagaaa tcgtaggaaa ctgatggctc ctcagacttg actaatatga 420
 actccttttg naataaatga gttgtcccat gttctactcc aaaagcttgt caaatcaaat 480
 an 482

<210> 11606
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11606

nnttcacgag tcagatctgc aataaacacc cggacctaag cccccagagt gactcaatta 60
 ataagaaaag aaggaagagt tacaataatg aaatccctta taaggcttca aangaggaat 120
 ctcaagaagg ccaccactgg gcaaggatat tggcatgggt cttcattang gaattatcca 180
 agacattgta tagttacacc actatgcctc tttggaggat ctcactcatc aagctatcaa 240
 ggtggagcaa caattaacga ggaagcagat atacaagaag cccccctatg actcttcaac 300
 ttggaaggat aaggagacat tcaagaacga gggaggatct tcattcaaat ctcatgaaca 360
 atgtggtgcc ctcggtaaaa ataattctaa ccttgcaccc acttcttcaa aaatgagatc 420
 tattaaatgc cttaagtgtc tgggaaaagg tcatattgtc ttccaatgtc t 471

<210> 11607
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11607

ngccccggat agatgggatg nnattagtac nncttcanat taagcnagga ccgctgcatn 60
 ctactaatat atggaattgc ccaactgtttt gcctttnaat aacatttgct ggaccacacc 120
 ancgctggag gtggcaagga acaatgtctt ttcaaataac ctggctgaca ttaacaaaca 180
 ttatatcttg cgctgaccgg gccaatgaac ccaccgaatc attgcataaa tgtatactac 240
 tatatcaatg tcccgaacaa atgatttcaa cacgtgacga cactatgatg ctgggctaga 300
 aaatcaagtg tcgttgactc taaaaggaaa atagctgctt gttgcggaca acatcatgat 360

atgtttaccg gaacaatact atccatgtcg tttatcatca cttgttacat acctgatgac 420
 caacatacac tgtagtattt aacattgttt ag 452

<210> 11608
 <211> 171
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11608

ataaaaattc ttttactatg gcaacatcaa tgctgccttc ctcaatgttg gtcaattctt 60
 catcccatct tcttctctct aattcttctt taaattcatc aaattcagtg tggtagatta 120
 ccacatttct ctctgacaac agcttcctan gaacaataat gtcagtgtac c 171

<210> 11609
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11609

cgactcatct tctcttcaa gagggcgctc tggacatctt tcttctatcn ccattctgct 60
 nccatggatc ttcaagaagc aaaggactcc tttgatgaag aagatccaag gcctacgagc 120
 tccacatagg agctacatca gattcatgtg aattgttaat atagattcaa atgtcctcca 180
 attgtgtgtg acacttaagc tataaataga agccatgtgt gtgcatcttt tcaaattgtga 240
 tcatttgaga attacaattc aaagttcaga cctcatttga tgcatacaat tgcattgcgtc 300
 tttactacct ctctctcaac ttatcttctt ctaccttcaa gctttta 347

<210> 11610
 <211> 289
 <212> DNA
 <213> Glycine max

<400> 11610

ccacatgccc ggcgctgtga gtggtattcg tattgactgt cgagatctta gtctttatct 60
 ttccatatgt acatcatgca tcatcatgta gaggtaggaa gactgcatct aaagttagaa 120
 actgatggaa gcttgcttga gaagctccta tggacgctgg atctttgaac ttcaataagg 180

tccttcaatg atgatattca gccatggagt tgcacgaaa gatcaacgac atgaggtgag 240
aggacgcgtc ttctactaca gaatcaccat ggcacgagag cttcactac 289

<210> 11611
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11611

tttctcaagc aaatacttta tgttgtcatt taaagcccat gattaccatg tccccgtgtg 60
tgatgatgac aaccacctgt acgttaggag cacaacaaag aacatatcta tgtgcatata 120
gattactccc gcttgggtcta cattgattgc ttatatgaga caattgaaga tttcataatnt 180
ttcatatata anaagttgtc tcatacaaca atacataatt gttgttacta ttgtatcttc 240
tatctctctc tctccctctt tggcaacatc aaaaacaaat cctgaataga gaagagaaaag 300
atgttaccac ttgttgcaat gtatgagaat caagtgtac caaaatgcat taaagcaatc 360
attcaata 368

<210> 11612
<211> 514
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11612

nnccacaaga gtgacccttt tcttgnacnn ttttgannnc cttgcacant acaccactca 60
agctctgatg atgtggcctg agcgcgatga aaggaccact ttgagtcttt tacgagcct 120
atacgtcat gcgaccatga ggccagcaca gagatctcac gcagaatgta tagatgagcc 180
agtggacgca tgacttgctg tgcgtgacac aacatacaca gacctgtcc tatcgcaactt 240
ctatgggatg tacttaacct cttactagct tccctacatt accacaaact ttcctttccc 300
ttggatatgc gtaactccat ctctaactct acataacaga cttgccatga ccatgacatc 360
cttagatgca acacatttct tcagctctga aacatgatgt gcttcagtaa agcgtgttaa 420
atgaccccca tgccattggg acttgctgca ctgctacaat atgacctctt attgatagag 480
tgttacgcat cgcttaccaa tgtcagtaaa cttt 514

<210> 11613
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11613

agctttcata atatgattgc tanagaagct agagctgagc tacacatacc tctctaatag 60
 ctaagctcac ctccttatga tgagaagcta gagcttagct acacaccccc tataataact 120
 aagctcaccc ccatggcaaa atacctgaaa atacaaaaaa aaatccctac tacaaagact 180
 actcaaaata cctcgaaata caaggctaaa accctatact actagaatgg ccaaaatata 240
 aggcccaaac aaaggaatac ctatttcta atttacaaag ataagcgggc tcataacttag 300
 cccatgggct caaaatctac cctaaggctc atgagaaccc tatggccttc ccttggatct 360
 ctgaccaat ctacttgag tcttcta 387

<210> 11614
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11614

tcatgatgaa tcttgactat ctacacaata aggtgttaca ttttatgctc ttttcaagtn 60
 nnnngctacct aaagccgcat gccaatcaa gtatatcttc ctttgctgac taanattgta 120
 ttcaaattaa aggtatataca tttttttgta atgtatcttc tttacataac atgcaacata 180
 tttatgtata nttttttgtg agacattntg actanccaaa attatatgca catacatcca 240
 agtattttgc tatcataccc aaagtgtaaa ttgccaaagg tattntgcta cctattctaa 300
 acctacacat tcatgacgag caaaattcct aaacatctan gcgtanggaa attattgtag 360
 cgtggcccat agctgattgc tggccaaaaa aggtaactnt acccaatatg cacctccttt 420
 tgtgttcttt ttgcataaa 439

<210> 11615
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 11615

agcntanata aatatgtgta tnnacatata aaatcagggga gctaattgagt aaaatntcaa 60
tgaaatcaac aaacagaacc atcacagtca aattatgtca acctgttttag aactgatcac 120
aagaatgcaa aattatTTTT tagaagaaaa agtaggtgct gggcagttaa ctagttaacc 180
ctttttaaca tatccctatg cctgtccttt caatagcaag tggcagaatg atgtaatcac 240
atgatataatt ttaccaaca aaatgggtgac tgaattcatt actacatatt caactgatca 300
agatataata gttaagttat tcacattcat agaccacaag agatgtgaaa agataagtca 360
taaagaagtt catgaaggac tactagt 387

<210> 11616
<211> 359
<212> DNA
<213> Glycine max

<400> 11616
atagatatg aaaagagcag gcttacagga attaacatct atagaagtgc ccggacgcct 60
caacatcttg agaccttgta ttgaaatttc caaagggttt ttttatgggt ttcaatgac 120
aagttaagtt tatgttcttt tctaccatgc ttttgtaag agctcttgta aataccagt 180
aaattcaatc tagaaatgtt caactcaatg taaatacctt tgatacgtgt gaaataagag 240
acttgctttg atagagagtc aaatcatccg ctgaagggtg ttcagtaaag caatttttgg 300
caatggttcc acaagcttct acatagcacc aatcagggat atcggttggt ccaatcatc 359

<210> 11617
<211> 375
<212> DNA
<213> Glycine max

<400> 11617
agctttaata ctaattgagc ccgtaccgga atcaaagag cattaaaaat gcagtatcta 60
ggaagtgatc ttacgttgtc tccaacaag caatgggtcaa ccaaacattc ataacagata 120
gtaataaaac agtaacgaat gggggggggg ggggtacctc tctaatacct aaactcacct 180
ccttgagatg aaaagctaga gcttagctac acccccccta taatagctaa gctcaccccc 240

atgacaaaaa acatgaaaat aacaaaaata agtccttatt acaaagacaa ctcaaaatgc 300
cccgaataac aatgcttaaa ccattactac tagattggcc aaatacaatg cctgtacgaa 360
gaataaccta ttcta 375

<210> 11618
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11618

acttctgtcc aacaaacat aattacctga atatatcctc tataagnctt ctatttaacc 60
aagtgccaca gctcttatcc atccaagatc ataaccctag cccttgacat catagtttcc 120
atactatcct attctaataa accatgtaac ggactcatgt gagatgtgtt taaagattca 180
tataaacaaa taccagtaaa tgcataatgt tgagcttatg agcatcttgt tgaaaagttg 240
aacaagcata agacatcata atataaatca aacaagtagc atcataaata cgggcacaca 300
catagaagag atcacataac tgacctctgt cagtgaagta ataaagctcc actttacact 360
atgttcacct tcacagggaa gtaatatat 389

<210> 11619
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11619

agctttgatt ggtagaaaa gagcaacaca cagtcatggg ggaatcataa aanaaactat 60
acctctcaaa taaagtagat gtaccctagt ggatgtaccc tccactagaa ctgatccaaa 120
agagatgtac cctctcttgt totcagtcaa acccaagtag atgtaccctc tacttgtacc 180
acaaaggatg taccctccaa tgtgttaaga caaagatctc aggcgattaa acctttgaaa 240
ctttgtgaat ggggatacaa aagaattctc acgcggctac tcctttgaat cttt 294

<210> 11620
<211> 235
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11620

ggaaaactgc aattggaagg attgatgatg attctgttng tgcaactctg gattgagggc 60
ctcctcagaa atgcgactat ggaaaatgca cttgggggtca tgcttctctg ctcaacctga 120
gatttgtcct ttgttttcgt cttctgggtc ctgaatccgt cgaacaggct ttttttcttt 180
tcacaataat tacacgggta tcgcttcctc ctttcatttc ttaatttata aatac 235

<210> 11621
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11621

agctttatta aatataataa tccaaaaatg tcanggaggg ggggtgttgaa aaagcataaa 60
agactatttg tgattggttt aaagatacaa tctttgcaaa tgaaaatgct tcacaaacat 120
taagaaagct agcagatggg cctaaaagaa atgttataac ttggcaagga tacaacttan 180
acaagtattc attttacaca taagcacacg acgacaaaag tacaatgcag aacagtgagg 240
tcaccctaag ggctgaatct caacacttcg catgtgtgca tgacgccaat ccctgtgtag 300
cttgcacccc ttactatggg ttcatatgat agatatggga gcttaactat gtgaaa 356

<210> 11622
<211> 508
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11622

aaacctactg gtagtcctct annctaggnn canagcanan tccanacata gaaacacaac 60
cngcaggatt atggggtacg catcttatgt ggtattangc ggctttcggc cganggngca 120
caacaagggt cggagccact aagcgcgcac aaaccaccca tccctgttg cccacctcca 180
actgagctca catactccca cgtagcccat atactgggtt ctcttaacac cgagtaccca 240
tcgatcctcc caaacgttcc caacatcaga agcaaacaac attccaacag cacaagctat 300
cacaagccaa gcaaaacata gcatatgcag aagactctgc caaaacaccc aaccaattca 360
cagctattct tactttaaag accgcaagaa aaaattctct cgttccgggtg cattaacccg 420

tgggatcaac gtcaaaatat tactgggaag gattaagtac atgaagtctc agtttggacc 480
 ggtgaggatc tctagcaaac atccgaag 508

<210> 11623
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11623

agctttcatt gttataactt cattgagaag cttctttgag agaacttcct tgagaagcta 60
 gagcttagct acacacaccc ctctcataac taagctcacc tccttgagaa gcttccttaa 120
 gaagattcct taagaagcta gagcttagct acacatacct ctctaatagc taagctcacc 180
 tccttgagat gagaagctag agcttagcta cccccccct ataatagcta agctcacccc 240
 catgacaaan aacatgaaaa taacaaaaaa aagtccttat tacaaagaca actcanaatg 300
 ccccgaaata caaggctaan accctatact actagaatgg ccaaataca aggcctggac 360
 gaaggaataa cctattctaa tatttacaaa gataagcggg ctcatactta gcccatg 417

<210> 11624
 <211> 275
 <212> DNA
 <213> Glycine max

<400> 11624

aacgggcttt gaatgatctg aaacgccata actcgctagt gtagccaatt tgataagcat 60
 ttgagggacg gaactaaata acttcacagc aatttacagc actatacagt acagctcgtt 120
 cctagcttat cataaaaaat tggggccttg acttttagcaa gctatttgcc tgaggccttga 180
 accttttata atcacctaag gtataccagc tacctgccac ataacctcat ggatctataa 240
 atgaagaggt caatggggag agtgcccttg atttg 275

<210> 11625
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11625

gtcgaagaac ggtcgatacc ttgcgaaat tccttcacgg aaaacgttat ggaaacgttt 60
 cggaagcgcc tcggcttaga tttttttcac ggaaacaatt tttctaagaa aattcgaaag 120
 agagagaagt gcctaagggg ctgaacctn ttccttctca ctctctcccc tatttatagc 180
 aaaatagggg agatggttgc cgcccagctc gccacgcga gccaggttgc ttcctccaga 240
 agcaacagcc ttctggagga atcttctggc ccaagtgggc ctggttgcta tttgcacct 300
 catctntact aagtacaccc cctgcctttt tt 332

<210> 11626
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11626

gggccggaga gtgtactgga cnttgatata ntcgnannaa acccagagga nnatggngta 60
 cccatcacat gtggtactaa ggggtgtttc aggctatggn gcacttcaag nnnncacag 120
 ncaccatgcg ctcaagtaacc caacaatccc ttttggccaa cctccttttg gctcacgtac 180
 ttccaccgta gccatattct tgtttctctc aacaccgggt tcccatcaat ctccaaagc 240
 tttccaacat tcaaagcaaa acacattcaa acagcacaag ctatcacagc ccaacaatac 300
 agggcaaagg cgaatactct gctcaacaca ccgacaaaaa tcatagctct tctcacttaa 360
 agaccccagt aacaaattcc tcgatccata tccgtaaccg gtggatcgac tctnaaattn 420
 tactgcaagt ctatgatata taagactaca ttgtgaccgg tgggatctac taacagacat 480
 ccagaactca ttttgcattg 499

<210> 11627
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11627

aaaaacaccg ctagtngett gatanntcng ncnatttgag ccagnacccc gggagaccct 60
 ataagaggac cgcgagggtg cgcagcctta ccatantacc ccattaaact tacctatcca 120
 tgggcccgggt ctgatccatt ctctacta cactttttgc tttcctttac tgccccatcc 180

aaataatggc ccacatgac tctaaagcat gggtattagt gtcattgttcg taacaatcag 240
gacatcagga gaacagcgaa ggcatanaa tttcacaatg ttgtggccat gataaaggta 300
cagaaccctc aatctgataa gagggatgac caacttccta ccagagcctt tgaaagtcct 360
ttgagatgct gagtagtact tgctaccctt ggagatgggt attctaactt tggagatgca 420
cactagtact tgctctacan aaacttttac actcttatct gggaaggggt ttattgctca 480
an 482

<210> 11628
<211> 238
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11628

nccgtatgtg atgacctaat gcancantng cgacgccagg gtttcttttg acccgaacga 60
tctgcaacaa cttacctggc tcccctgtgt accttggggc ttgtctagat ctccctcctg 120
agaccctgcg gcatggtaac atgcatcta gtcggctatg ctagctgtat ttgcggcgct 180
tgagttctgg ggacggctac tctgaatta ccccccattc attttttact gaaggctca 238

<210> 11629
<211> 325
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11629

gataaaataa aattaaattg gttgaaataa aatctggata aaataagatt ggataaaata 60
aatggctgc tctcttcagt ccaagcccaa tttcggattc aagtccaatt gcttataatt 120
ntcctgagat taaattaaga acacataatt agtcaagtag gcccaaatga taaaactaca 180
taattaattt gacaattaag gctaatacgt aattaaatg gtgacaaaga gggttaagaa 240
atacgagacc ataataacac atcaaattccc cccacactta gccttttgca ctcttctgtgc 300
aatcaaaaa gcagagcaat gaaca 325

<210> 11630
<211> 305

<212> DNA
<213> Glycine max

<400> 11630

tgacagggta acaaatttag tgttttgatc aaaaacaatg ttcataattta tgcacagcag 60
agtcaaaagc aagaagaaag acgagtgcac ataggctttt gtaatggttc accccaacct 120
taagctacgt ctagtcctca cccttaaaga tgagatttca ctaacacact cagttcacaa 180
ctagaccagc aaccgttagg tttcaaaaac ctgctagctt cccactcgac aattctagcc 240
tcgactagac cagctacact actggggtttc accttagcga cccactgttt gactttagag 300
acaaa 305

<210> 11631
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11631

agatncctaa agaagctaga gcttangcta cacactttct tctttataact aaactcacct 60
tcctgagatg aaaagctaga acttaactac accccccta taatagctaa gcttacccca 120
tgaaaaaata catgaaaata caaaaaattc cctaatacaa agactactca aaatgcctcg 180
aaatacaagg ctaaaaccct atactactag aatggcaaaa aatacaaggc ccaaacgaag 240
gaaaaacctt ttctaataatt tacaaaagat agcgggctca tacttaacct atgggctcga 300
aatct 305

<210> 11632
<211> 111
<212> DNA
<213> Glycine max

<400> 11632

ggtcattaca taacagaaag tttagttgag cagtgcagaa aaacgcgccc aggacagagg 60
agccaccac cgccacctac agccagcaaa aaacccgatg tcaataccga c 111

<210> 11633
<211> 259
<212> DNA

<213> Glycine max

<400> 11633

acttggatgg atcaaccgcg gtcaatgaag cgaatgtttt cataccaagt gacaaaattg 60
tatatgttac cattggattc aatgttcaca agtgtcattc atataagcct aagcaaaact 120
gccaatcat gatcaatgcg atgatggcag ccgaaaagac aaacgtgagt tttgaatggg 180
actagaacaa accgtcttaa atgtggcagc atggtgcaag tctatctgcg agacatttat 240
tcgagagatg ctttttggt 259

<210> 11634

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11634

ctggcaaattg agaaaagagc tatggatagn nnttatcatt tctctaccac tgtatcanga 60
aaagaaacag atatatataa gatatcacat gcaaaagaag aaaataatac acctttaaac 120
gactgaaaca atntatataa gaaaaataaa tgggcaaaaa aacttcaagg aacttgattn 180
tagaaaaact agtgaattct aaagccatat gtttttactt aattctattt atctatcctc 240
caatccagat tgaagtactt gcacttcaag ttctcttggg gtgttttctt gcaagttctt 300
tgtttaagtt tctaacctat tctcttaatc attanatgta tacttgataa atccatttgg 360
aagtccaaaa caccctctaa agtccttttt ttctttttga ngagagatat atagtcagat 420
taattacaat tgttgagagt t 441

<210> 11635

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11635

agctntcact agatcatata agataaacgc attcaggcgg gcgtgcagat atatcctccc 60
aaacgtcaaa ttctccgcct atatattcaa cctttccatc actggcacgt ggagtgaatc 120
ttctccatg gtgcaatact aaagttatat tgtcattcat tctacacaat cagaaaccac 180

aaacattgtc atatattagg aaataaaaaa cctacctcan actcaaacat aggcacatca 240
 cacaacaaca tgcaatgtca tatataaaaa cagagcatca tanacaaaaa taatacaggg 300
 tcataaacct ccctacgaag cgcggaagaca atgcacatga gaccccttga acatataaaa 360
 ccccaaataca aaccaccaaa acaat 385

<210> 11636
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11636

tcaagcttcc gttctcgaga gcatngctaa tttaagcatn gctttctttg ttttcgngta 60
 tcttaagaaa aacgtcattg cgtctccttt ctttcttcca aagtcatttc taacgttcca 120
 aacactttct ccatcaccca cagccaccat tagccaccac aaaccgccgt tgttctccgt 180
 tgcaaccca tactgagagg aacccttga ccgaagcgga atcttccaac ttgactcgca 240
 ggttcggtag agaacaaaac cctaatttga cctttcattt ccttttga 287

<210> 11637
 <211> 173
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11637

gcatgcatcg aacgaccagc gngaagagga atgttcaaga caggggggaa agaccgccag 60
 gaagaaggcc cacgaaaaca cagcacggg gcgcgcagag cgagcgggac tcggggggcca 120
 caacgcagcg cggaagcccc ggcaaggggg aagccagaga ggggcacgcg acc 173

<210> 11638
 <211> 222
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11638

tatgtacca ctatggtggc tgganatgca acaatagaaa aacctagaga agagtggact 60
 gaagatgaaa gaagattagt gcagtacaat ntaaaggcta aaaacatcat tacttttggc 120

ctangaatag atgaatattt tanggtttca nattgtagga atgctaagga tatgtgggac 180
actctacaag ttacacatga aggcacaact gatgttaaca at 222

<210> 11639
<211> 261
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11639

gcaagctcct gagcttgaaa ttcgtagcca actgtttggc gttttgaaca tgttctccat 60
cttcagcgna ggagttggag cgtagctgat gattatgctc aaaggaagg tcatagaagt 120
gtgacaacgt gggtaaacia cgtttcttct tcttggtctt acaagtcact ttcattcttc 180
accgccacgt ttatcttcca acgctactga ttgtctgaga ttgttatggc tactctattg 240
tcttctacca aataatctct t 261

<210> 11640
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11640

caagctttgt ttttcattgt ttattgccg cnnacccaac accgtgtgcg cgtcagctct 60
caaccattcg canaccacan acccanatan gnntcttgct ncnnacggaa gtgaaccgtc 120
ncnnccggca acctggaaga aaaaggagg aaagccctcg atcnnttcct tgnnaggaaa 180
gaaattgagg gccccgtgga agtgaaattt ggggaactat cncnngttcg cagacattga 240
aacggatctn nntgcttagt acccgatgnn ttgttattcc ncccccaagt tcaaagtggc 300
cggacccttc gacaagtata aagtggacga acttgtocca aaaaccatc tcaagatgta 360
ctgccgtaag atgggcgccc actctaagga tgagaagcta ttaatacact tctttcaaga 420
tagcttggcc ggagccgcgg tagtgtgga cactaatttg gaagcttcca tatccgtact 480
tggaaggatc tgattactgc 500

<210> 11641
<211> 349

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11641

 atagatactc agctgtagga ggctagctac aaattatatt ggtttttcta ttattaaagg 60
 ttgtagatcc taagagagaa cagatcctat acttatccaa gtgatctttt taatacaatt 120
 agcttgctca ctagctcttc actttcattg cttttgacct tattacatca gcacaccttt 180
 cctattattg ttgtttgtat atacaactta tgtgttgcat gtgatgatgc tntatctctt 240
 tctttgcatc ccaattagtt gcactcccc aaatttggag taaatattcc ttgaaccata 300
 tgctctccta gaatctaaac aaggatttcg gagagaatta tttgagttc 349

<210> 11642
 <211> 317
 <212> DNA
 <213> Glycine max

 <400> 11642

 agcttagctg atttggctct cgctggcgaa aggatcaggg tgggtatgga aagaggcaaa 60
 tatgattatc ctgctttgat gaatgcgaaa actgtggcaa atgaaaaggg tgagaatgaa 120
 tgagaaaccc atgctgcgac tgccgttctc acatggaaac tcccccgcca gctcaacaac 180
 atcattactc atccaatatc agcccttctc attaccacc acccagtcac ccataaaggc 240
 catccctaaa tcaaccacaa agcctgtcta ccacactttc acagacgaac accacctcta 300
 gcacataccc taagcac 317

<210> 11643
 <211> 502
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11643

 ggggcccnch nnaaggggnn nnanaccggg tagctagtgc tacgntact aaccatagna 60
 nnacgcccac atagaaactc ngcnagaga ggagctnnaa ggaggtattt atgttataga 120
 gggtttggtg ggcacgaggn ngaaggagaa aaggagagag agaagntgaa ctttgaaggg 180
 tgcctnacia atttcacatt catcanagtt ttgacaagcg ttacacatgc ttctatgtat 240

accctaggta ctaaatacat gaaagcttcc ttgagaggta tagcttatct tcacacaccc 300
ctcttttagg taactcacct ccttaattta agaccttaga ggctagctcc gcacaccct 360
ctataagcta gtcacccct atgccc aaat gcttgaaatc caaacaggcg ctgtaccag 420
actctgaat gcgccacagg agaaaaccca ttccaatatt tctataccag gggccaacct 480
tgcccttggc tatagatttc cc 502

<210> 11644
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11644

agctttatct gtgcgggttc gggagacaaa ggtcaagcgt tcgcgatatg cgaggatgat 60
attccgagta ctttggattt ggtacgacca tgctctctg atttccagct ggganattgg 120
cgagtggagg aacgccccgg catttacgca acaagcataa tgtaaacctt tacggttttt 180
taaagctcta tagttgggccc taggctntag agttttcatt ntgttaaggc tntgtgtcct 240
ttgtgtttga atntataata cgaggatctt tcttcatctg ttctgtgtct ctaccattc 300
tcattcattt gcatgtntac ttctttntct aaaacggcag attcgatgac gagtcnccg 360
aaggtactaa tacctgggac ccgtctatca acttcgagca agaatgaat caaacggaag 420
at 422

<210> 11645
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11645

tcctctcaa atccctctag ttggtctcgg cttaatacan actctctctc tatgttgaga 60
ctaacttaaa caaagcttca tctcagatc cctcttggtg gactagactt agcttaaata 120
gcttacaaaa ttttagccta acttagccta atctttgtcc tcagatctct cttgttggac 180
tagacttaca ccaaacagca ttattataac agcatactta taaccaaac ttaatccaca 240
gattctctt gtaagactaa gtttcaattc ttcgctcattc aagttctaata gcaacaatac 300

atttcccaat gttaaaatca cctaactagg cacatanatg gttgatcaga ccaagagcat 360
 aaaaaattta agcactgaag aagcatttga cacaagaaac angaatcatt agatatgaag 420
 atattacatc 430

<210> 11646
 <211> 531
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11646

aggaaacgct ctacnactga acgaaataac aaaagccnta aatacaaatt canacaatna 60
 canaggggag ggagcgggnt atgcatcaat anccanncca atacaacaca tctccccggc 120
 agacgataga gngagactag caagcaagca acgcccata tctatgtaca ataataaagc 180
 tactagatga gaaagtggcc ctcagaanat cttaaaagct ccgataccac tcgttgggac 240
 agcggcctca gaaatactaa gaaagaggag gctgaataag atttaciaaac aatcctgaat 300
 aaaactccag atagatctta acccgggcct aagatccttt taaatgaatt ctaataataa 360
 ttcaatagac ttactgaaag aaaaataagc agcaaaaaaa aagagttgag gaaagaaagc 420
 caaccagctt aaccgggttg caaaccaatg ctacgccaac cccaaaaacc gctggaacac 480
 aaaccgacaa atcctacaaa accgaaccaa caagacacct ccctgggcca a 531

<210> 11647
 <211> 256
 <212> DNA
 <213> Glycine max
 <400> 11647

tccacatcca caaatcgggc ataaaccac catccactgt tgcccacctc caactgagct 60
 cacgtacttc cacgtagccc atatcctcgt ttctctcaac accgggtccc catcaattct 120
 gccaaagcttc ctcaacatcc aagtaatata acattcaaac agcaciaaact atcacagcct 180
 agcaaaacag ggcaaaggca gaaaatttcg gccaaaacac caacccaaatt cacagctttt 240
 cacataccaa tacccc 256

<210> 11648

<211> 212
 <212> DNA
 <213> Glycine max

<400> 11648

agcttaactt ttatitttgaa ctctaataata tcagatagag aagcgccaaa acactttata 60
 taacacctac accatcggca tcaccccatc ttggagttaa ggcacaagtc taagatgctt 120
 cctataaccg acggaagaag ctaatgggtga aaaacaaatc atttgcttag tcattgatga 180
 attattatat agctcctcat aagggtaaaa aa 212

<210> 11649
 <211> 174
 <212> DNA
 <213> Glycine max

<400> 11649

tctctgccta tgtcttatct gattgtgac gcttgtctaa tgggtggtctt tattcgatgc 60
 gcttcggcat tcagtgtgat taactttctt cttcacatac gttgtagtcc taaatgatag 120
 attgatggca tcaagccaat cgtgcttgga ccaacgttga aagatttcaa actt 174

<210> 11650
 <211> 211
 <212> DNA
 <213> Glycine max

<400> 11650

agcttgcatt agttgttttt tttcggagag acagccacta tactttgtga acaggattga 60
 gaacagaacg actaacaagg tgtttagcat tcgacagtct ggattcgggtg aagatgtgtg 120
 gattcatttg caaccactgt cgaccgcaa cttttcttgg gaagatccat atgggaataa 180
 gtttttacat gcttaactta ccgatgatga t 211

<210> 11651
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11651

accaatccta cattaaatta aatggacttt tctgtagaga gggcaagggg tcataaaata 60

caagaattta aatcagacaa gttacgcttg gctctgtgct tactaatggt aggcaagtcc 120
 tttgcattct caagaaattt gaaacctcca aagctacagc ttgtactcac ctacagttca 180
 gatagatgca caaggttaca acaattcaca tcatcaagga taaattacta acatcttttn 240
 tttttatctg caaattacta acattgttaa agagatcaac tataagtaca tagtgagaca 300
 aaaagtgcc aatattattt aaaaaaaaaat gcataatgtg aaaaaagttt cacttatta 359

<210> 11652
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 11652

agctactgtt catatggaat cttctattaa gatcaagaag acttatgtta actactagta 60
 taatgtacca catgatcaaa taattaatta gcggcatata tttttgatat gcacgctgct 120
 gccttcacat atttaacagc acaacattat ttagagggtga ccggtgtggc agtttcttaa 180
 taaagcgtgt atatacaaca tgccaatcaa acatgtataa tctcaatgga cgtggcattc 240
 ataatgcagt agaatccatt caagaaaggc acaatagcag ataagtgaag tagctttata 300
 tctttacatc caaatacaag aatgtgatat ctgtactcgg gtcattgtga 350

<210> 11653
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11653

cccagatgta tccatgatat tcggccatag ntactcccct ancnctccct tatacacact 60
 ttgcctttcc tcattttcta attggggcga gatgaatcca gacactttct ttgtctgaga 120
 gaattatggt caagggacag cgagccatat agttgctttt cttattgtat gctgcacttg 180
 catgaatgca ctctttataa actgtgtgta catttgcaat agtcattcata atctaccatg 240
 gactaaaaat gagaactatc tggcaatcac tgccgtgttag cccttttatt ttcttctctt 300
 ttcttcagtt attccatcca atttactaat tggtaatgtt ttaaactcca ggtctccctg 360
 tggagacacc tcttgacttt tggagaaata acctccaaca cctagatgct tcc 413

<210> 11654
 <211> 279
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11654

 agcngcattc aattcaatta cactccactc actctgctgg cgatcgctct ctctgtatat 60
 tgagacatac gatatccata ttaaagcctc tcaccctcat ctaatgaaca taactttgct 120
 ctccgatata cgactgcgcg cattctccat cttgaggctg cacgccctca ctttcagacg 180
 gctagccacc ctttccattht aacggctact ctgctgtcct attgtgggct gcacattctc 240
 accatacgag aatttaatgt cctctgccct taatgctta 279

<210> 11655
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11655

 aattagttac ctgattaaaa taatcactct ctctctttgn gtatcactct tttcctcggg 60
 tgtatcactc ttctttntca tattcctttg tggagcctca ctattttctt tctcttgctc 120
 tctcttttct ctcatctctga tttggctcct acacacttct ctaggggata gaggtttaag 180
 agtaaacgag gaagaattga ctattcgtct gtagggctct tctttgttac ggttcaacaa 240
 acgttgcatc tgt 253

<210> 11656
 <211> 316
 <212> DNA
 <213> Glycine max

 <400> 11656

 agcgcatctt ctttttttca gatgatgtaa acgagtttgg ggctgcctca tgcacttctc 60
 taatgactat agcatcattt ctggcgctaa actgttgga gttggaagcc atcttctcaa 120
 ttaaatttct agctgtagca ggaatcatgt ctccaagggc ttcaccactg gcagcatcta 180
 tcatacttct ctccatgtta ctgagtcctt cataaaaata ttggagaaca agctgctccg 240

aaatctggtg gtgagggcaa ctggcacata gtctattaaa tctctcccag tattcgtgta 300
ggctctctcc actgag 316

<210> 11657
<211> 139
<212> DNA
<213> Glycine max

<400> 11657

atcttgcttt atggttaatg ctgtctctag aacatctcca ttggatctaa tgatgaaata 60
tgtgcattct cgggtgaaaa agaggctaag ttttgaattg caaaatgtag cacttgggct 120
aagctcaaca gttgggcta 139

<210> 11658
<211> 334
<212> DNA
<213> Glycine max

<400> 11658

agcttatatc tcaccttcag ctgtccctcc gatctcagcg tcatcataaa ctcatgaagc 60
gatacttctg cccatttgcc attctggaac gcattggcag cgttgcttac cgtttgcaac 120
tacctgaagg gtctcgatc caccctgtct tccattgttc cttactacgc cctcatcaca 180
gacctcttga cctcccaacc tcttcccttc cggcggatac ttctctccca caccctatac 240
ttgagccact agccatcctt gactctcgaa tggacttctc tgtggacccc ccaactcggt 300
tcgttcttgc acaatggggtt ggtcttacta cgga 334

<210> 11659
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11659

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ctttatgtct ataatctgaa tttgttggtta ggcttgtgct taatgtgtta gtttttttat 120
tttctgattg tgtttttcgt aaaatttgat atgtgtttta cacaatatct tcttcacaca 180
acaatgtttg tttgattgca aaaatgtttg ttagaaatta ctaanatcat aatccaacct 240

cccttccttg tgatatttgc ctttacaaca tgacatgcaa ttaccactaa agagaagaaa 300
 gtaaggaatc canataatga ttaaattggt gcattttata tatgaaaagg tgggcacctt 360
 ttgtttcatc tgtggactta tgg 383

<210> 11660
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 11660

agcttgtgtg atgttgcgcg tactgatggg taccatgagg tgtttgctgg ggtttgaccc 60
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 cgattctttt ggcgtttacg tttgtggagg aaacgtaatc aaactttcct ctcttcaatc 180
 caacctcgat tctttccctg tcaaacacca gatccgcaaa gctggacggc atgtaaccac 240
 ctagcttctc atagtagaac actggcagag tgtctaccat catggtgatc atctctctct 300
 caaccatggg aggagctact tgtgccgcca aatccctcca tcgctgcgca tattcttta 360
 aggttcaccc tctttcttga acatattctg cagttgagta cg 402

<210> 11661
 <211> 488
 <212> DNA
 <213> Glycine max

<400> 11661

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 cgtaaaaatg agggcattat gataggaatt tccctttagg ccagcggctg atttttgggg 120
 ctgcaccatg gtttggcaca ataccttgag catgcatata tgaattcttt tcaatatata 180
 tatatatata tatatatata tatatatata tatatatata tatatatgtg tgatagccat 240
 cgtttcagga gcaactgagca ccagcaacgt ttcgagacca tcaaaagatg gtcgttccac 300
 acagaaagac gcgtccagct catggacaat gactacacag aattttaaga agacataact 360
 cgccgacatt ggacatcact ggtcactccg atggctaagt ttgaccacaga tatagatctg 420
 gagttatatg ctaatgcttg ccccatagaa gagggagtgc gggacatgcg gtcatgggta 480
 aagggcac 488

<210> 11662
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 11662

agcttgggtta ggatgcttca atggaggaaa agaaagaggg agagaaagag agagggggga 60
 gcacaaaatt gaaggaagaa aaaggagag aagttgaact ttgagttgtg tctcacaaga 120
 ctctcattca tcaaagttac aataagtgtt acacatgttt ctatttatag actaggtagt 180
 ttccttgaga agctttcttg agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240
 gataaggtag agcttatcta cacataccct tctcataact aagctcacct ccttaagaag 300
 cttccttaag aagattctta gagaagctag agcttagcta cacacacacc tctctaatag 360
 ctaaagtcac ctcttgaga tgagaagtta gaagctagct acacaccgc tataata 417

<210> 11663
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 11663

tatccaggct catcttgggtg gtgaagctcc ttctttctgg cttattccct agtggatggc 60
 gcctcctctc acctcttctc ctttgtcttc cgtgcatct ccatgggtgga aaatcaccat 120
 taaaggacct cattgaagct catagatcca gcctccatag aagccccaca agcaagcttc 180
 catcagcagg gttcctcccc ttttgcattg cctactcttg aacagtttgg ggctgaagtc 240
 catggcctag agactggccc gatgccatg caggggaaga gcctgcatga tccccgggtg 300
 aggcagatga gtcccatatg gatgaataga tgactgacct gctcggtttc 350

<210> 11664
 <211> 178
 <212> DNA
 <213> Glycine max

<400> 11664

cagccacatt tgatttcgat tctcaataac atgctactct cctgtgcatg tgtctcactc 60
 tgtattggaa acgttcacca tgcagatgcg acactctaca caggatctga tgacaaaggc 120

tgcgcaactcc gatatgcgat tgtgtccata gtatatcgcg acgctcgaaa tatcaacc 178

<210> 11665
<211> 307
<212> DNA
<213> Glycine max

<400> 11665

cagaaaatta gagtgcattgt gttttatctt agtgagagtg attctcctaa attcttgagt 60
gattcaagaa caccttggct gtatcàaaag actttcacia cctctgtgtg ttgccctcgc 120
tggagagaga gatactttcc ttcttttcat catcaccctt gttctttcaa accacaattc 180
cagaaaatcc acctctgccc agaattatct cgtggccata actcccattt tgcgcactca 240
agttaagtga ttcttcagcc taatttgaat atcaaaacga gacctttcac ctctgttctgg 300
aatcacc 307

<210> 11666
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11666

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tcttgtttta aggtttatctt aactttttta caatttcaag tttaaattttt aatgaaaaat 120
atcttacaga gaaattgagc atatatacga gttacaagat acataaggaa atattatgat 180
taccttaagg taaaaatatt tatatcatcg gtatcttttg gttaccatga tggaatcaat 240
taatattaca agactatata tataaatatt gctatacacg tataagtaaa tggtcttact 300
tactacagta gactctatctt gaaacagtaa ttcgatagca ttaattgata tcgagagtgt 360
tcttaca 367

<210> 11667
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11667

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 ttngaaatct accagtaccg aaaaagaaac atgaatgatt cttatcatca tagttacatt 120
 gatattatta ctaaatgctg ttgcctaaat aatntgtttc tcaaagtctc tagattntgg 180
 tatctgatat tataataggc ttcttattaa ctgaaatggg atatctttcg ttgaatttaa 240
 tcagtatttg tgggctgttt atgatcttat tattcggtgg ctgggttattg tgggtactaaa 300
 gcacttcgta cttttgtgtc taggaatagt ccattgtatc cactgcaaca tatctgtcat 360
 ctgcggatgt tttttttcat gtttgtgatg tgctggagat gataatgtat atgttctact 420
 t 421

<210> 11668
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11668

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 tttcctttca gatggtgacc agatcctata gcctttcacc ccactactat aacccatgaa 120
 cagacccttt cttgatctag gtaccaactt tccttcattg acatgataat aagcattgca 180
 gccaaatact cttagggttg agtagttctc tgttntgcc a ttccagattt caataggggt 240
 ttttaagtcct atagcagtag aggggtgttct attgatcaga aaacaggctg tattgatagc 300
 tcttcccan aaacttctgt tgagaccagc attagacaat aggcattctg ttctttccag 360
 gagtgttctg ttcattcttt caggaactcc atctt 395

<210> 11669
 <211> 207
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11669

ctaaactaga agtcttaata attagttact ggtactctta ccaatcatta tgcagtcaag 60
 gttggaaaac atcttttatg atattttact tttcacctta attcaccaaa ctgaaagtga 120
 aaccaanagc atgaagcaaa agcttgcttt gttgcagaac atcaaagtct aaaaaagata 180

acanactttt ttacctctcc cctggat

207

<210> 11670

<211> 355

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11670

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gctctcggga gaaaacacan aaagaaggaa aatccccaat gaaagaaagg gagaaagcaa 120

aaaaggaaag aaaattccca attaanaaag ggagaganaa gcgaaaaaaaa gagaggaaga 180

agaaaggaaa tctccgatca aagatcgcat ganaacataa gaaatataca gaagtgtctt 240

tggacaaaa aatatatgaa caatacagaa ttgtcaccaa gataacattg ccaacaaaa 300

aaccctgtgc gtcagtggct tgttcgcctc gcgcaaaca aaaacagaaa agaaa 355

<210> 11671

<211> 308

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11671

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atcaccaata acaaaatgct cgggatactc aaaagggtact aaatgatgtc taactaatct 120

atganatgta ctatctatct cangatcaa gggttgcaag tcagatggat tgcctctagt 180

catacactaa attcagcatg cacaattagt tgccttctta tgcaagtaac agtgtaggtt 240

tgaactacag ctaccattaa atgatatcca aatgacttga aattntgtga gcaacattat 300

aaaatgat 308

<210> 11672

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11672

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 aacnncnagc caaacggacn acaccaaggg agaaccggca gacaaacaca ggaaaaggcc 120
 cacaggacga gagccgaaca gggccaacac gaaggaacag aaccaccacc gagagaaccg 180
 ccgaagagac cacacccgag ancccaggaa acacaaaacg ggaccccgaa cgagaaccaa 240
 gagagaggca gaggnacagaa cccgangagn nccgaaaggc aanacgcacg ggcagaaacc 300
 caacccaaaa caccgaaccc aaccccaaag gaagaaaaac cgaaaaagcc aagggacccg 360
 ccacaaccac gcccgagaaa gaccaaggaa agaaggaaac cgg 403

<210> 11673
 <211> 539
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11673

ngccataggc taagnngctt taacnnntgc tgnncaatan gnnancnaan gncnnagnng 60
 cncnngcang acaanagtnt gcatatggct acnnactttt tgtttngctn tgttannaat 120
 ataaaaaaac ggagtggatg gatcatccaa cntaataaga ctcaagcttc ttaagatgag 180
 tngggcctta gacattatta gttagtctcc aatgatccaa gtggtaactg agatttgata 240
 ttttgctact cctcaattct gtccatgcat caagcacaaa tagtgcttat gaagggacat 300
 gtgagaaata acacctattc ttttcagat gagcctagat tgtaggagac gttggccttt 360
 gatgactaga acagaattat gtggcttggt agtctgtaga tatttcaaca tccacatatt 420
 ttcaaagcta gaagacaccg gatacatgat ttattttggt ttgcgtgtgt atagagggat 480
 ctagaattct gagagctggg acaaatatth gagtattatc ctcaaaggga ccatggagt 539

<210> 11674
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11674

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 acagctggac cttgtgccgc tctttgaacc acaagatagg acgcttgctc ggagctgctc 120

tgaatgacaa actatntgtt gtcggtggtg gcaatggagt tgacagctta tcagatgttg 180
 agatgcttga gttacatatt gggccgggga tccctacgca ctcaatgcta gacaaggtta 240
 aatgggacaa tcgaatgatc aatatttcag gtcttgactg agattagaaa ggatgattat 300
 ggggttaatgc ccaatgacac agtacattat gtgattttta cgcttagctg ctaagatgtc 360
 acttggatta atatttaciaa catt 384

<210> 11675
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11675

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 tgagggtttg tatgagatgg ccctaagcct gtaatgcatt tntggagcac tggggcatgc 120
 cacattgccc cattctcttt gctataatgc ctaaactgtc gccaccaaag tgttcngtga 180
 aatgcctcaa tggcatttgc gcatgatttt gatagggaaa caacctatgg gacgatttgg 240
 tgtgcgcgtg tttgctgtct ttggagcatg tattcagtnr cgtaatggct agaaagattg 300
 cccacataca ccctaagcct atgaaccga 329

<210> 11676
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11676

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 atccgcgggg tagctcacta tatgtaatgg gagtttatta taaaatttac cattttaaca 120
 ccatagttag gattaaggaa cctagctatg aggatatctg cctgtccttg tgcagtctga 180
 tttttcttca aagaaaatta cgttttaact aatgggatgc gatatatata ttgcgatgaa 240
 tgatattgtt ttggctgttn gaaggctgtg cgtgatgaaa tgatattgtt gagtnrtgtt 300
 gaatatgcgt tgatgttgct attgaagatt ataattgata tgtgatgata atgatgatta 360
 tgatgatatt gatttgaaat gacatnggta ataaagacca tgtcaacatg aattgttatt 420

attga 425

<210> 11677
 <211> 273
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11677

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 cctcaaacac ccaatttgcc ctagaaatgg ctctnggttc actttgggtca ttngtttttc 120
 tctctagctc agcctaacct ttctcacatg tectanatga cattttcaagc tagtattaac 180
 tcactttaac ctccatttac cacagaaatc agacttagtc ttcaactctc aaggtctcac 240
 ttctttttcca ctcataacat cacatttctca ctt 273

<210> 11678
 <211> 191
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11678

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 accgctctcg ggagaaaaaca cacaagaag gaaaatcccc aacgaaagaa agggaaaaag 120
 caacaaacga aagagaaccc ccacacaaaa aacggagaga acgcgaaaga caacagacga 180
 agaagaaagg a 191

<210> 11679
 <211> 156
 <212> DNA
 <213> Glycine max

<400> 11679

tttctctcct gaaccgaagg ctttacttgt aggctggtaa aacccttgaa aatcagtatt 60
 agctgggtcac agtttaacag caaaagttaa cacagaatct tctacggacc tcaaataatg 120
 ttcttagcaa ccataaatat atacaagaaa taatta 156

<210> 11680

<211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11680

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 ttagttcata atggattcac cagaggaata atggacacca cactatttag aaaggctaag 120
 ataggaaatc tgttgattgc tcaaattctat gtagatgaca taatctttgg tgcaaccaca 180
 gaaaggatgt gcaaggagtt tcctgagcta atgaaagggtg aatttgagat gagtatgatg 240
 ggtgagctaa aattcttctt angtcttcaa aacattcaaa aagatgatgg gatattcatc 300
 catcaagaga acacanaaaa cctattttaa aggtttagaa tggatgaagc tagacctatg 360
 gctaccacctt tgcaccttcc cacaatcatt ga 392

<210> 11681
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11681

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 ttcttcattc agctttgaag agaatgtcat ggatcactgt atataccaga aggtcagtn 120
 gagtaagact tgtttccttg tattatacgt agatgatatt ctacttgcca ctaatgataa 180
 ggttatgcta tatgagggtga aaaaatttct ctacagaaac tttcatataa aggatatggg 240
 agaggcatct tatgtcatat gcataaagat ccatagagaa agatctctat acattttagg 300
 cttgtctcaa gaaatctata tcaacaaagt tntagagaga tttaatatga nagattgtca 360
 ccaagtgtag cttcctttgt g 381

<210> 11682
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 11682

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ccagatgtgt atccaagtag attccactca tatctctaga ttgtctcaaa gaaaattgca 120
agacacggct ataatacaac acatgatggc tatatacaac tcaagctatt ttagatatgg 180
ctttgatacg gatagagcca ctttctgaat tcttatattg tataacaatg tatgatgtaa 240
ctatacgggt tttaaaataa ataaaaaagt tccaaacaaa aacaaaatgc aactaatttc 300
ctcttctcag aacatagaca aaaacatgac acacccttct tctctgacca tgacaacttc 360
ttttcacagt ttgggatgtt ctttttagtga ggggtgtctat ttttctagt 409

<210> 11683
<211> 167
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11683

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catacgcgac cccacttcta tatttcgaag agaccaagat agatcaactg aactgtgagt 120
ggcgcgaaca agtatTTTTTg gcaccgtagc agacgaactt agatcat 167

<210> 11684
<211> 392
<212> DNA
<213> Glycine max

<400> 11684

agctttgatt caacatatct ccccttttcg gttttgataa tgccaaatcc gtatgatatg 60
tgctgatgtt tttcttctca tagtacatgt ttcacaaaca cgtgtcgcaa cgtgcccttt 120
tgcgggcgag ctaacgcgag gttcaccggt gcgctttcca aaggatgaaa gatgcgcgga 180
gtcttcacca acgtttatct gtggaaaacg tcggataaac cgaacgaaac cagtcaaaat 240
gaaaattcta agttcgggag ttgtatttac gcttgaggaa ggtattaaca cctctcacgt 300
ttgtctcaaa ggacaacagc ctatTTTTTA gaattgtgga aattgtgtta ccttaactct 360
atttctttct atatTTTTga ggtcgacaaa ag 392

<210> 11685
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 11685

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tactcaagct tgtccctctg ttccctataa atagggggag gagggattat taaaatcggt   60
caaccctcct ggtatctgac gatcacttga aattagtaag acaaatcggt tccatgaaga  120
aaatctaagc cgaagcgctt tccgtactcg tccgagacgt ttccatcggt gatttcgtga  180
agattttcca ccatcggtcg ttcggtcttt gttgttcttc ggtctttaac tggtgagttc  240
ccgaaatcga acttttcaat tcattctatg taccattggc agtctccatt tgtttcacgt  300
acttttattt tcatttcatg tacatttctg accccctttt gacgtgcttt agtcatttat  360
ttaagtcatt cttctcgctt aatcaaaaana taaaataaat ttctaccgat catttgaatt  420
gtaacatctg gtaatttctg ttaaaatgaa atctgact                               458
```

<210> 11686
 <211> 409
 <212> DNA
 <213> Glycine max

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<400>        11686
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aagcaatgtt gtttcctcag tatatctgtg actatattga taaaactgac tgtagtttta  120
tttggaaggg tttctacggg aaagggattc atatggtggg ttggaagaag attacgaggt  180
ataggaagaa aagacgtttg gggggttagaa aaacgtgttt ctaagtcgga tattttgcac  240
tttttaagac ggttttgagt catcataaat tgcggaaggc tctacgacaa cggttccata  300
accgtcttag tatgtatagg attctaagac ggttatgtca acaaccgtct tagaatgtat  360
agcatactaa gacagtactc taggtataac cgacttaata tgtatagga                               409
```

<210> 11687
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11687

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ccacccaaat catagggagc atagacattg ttattcatca tcctctgatt attactaata   60
catgtccctt caagcattaa aaaacttcta cctttctccc tcctatccac ctcanaaatg  120
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gagttattcc acaaacataa taggccacca gcagcctgca cagaaagaac ataatcccaa 180
 tgggcagtcg agtcccccca aatggcctag caaatacttt tattaatttt ctcccttttg 240
 gtttcttgga tacagacaag gtccactntg tgctttacaa tgagccttct aacagcagcc 300
 cacttgattc ccctccccag acctctagag ttataggaga gaatgatcat aattgntgaa 360
 atttaattcc cttatnctgt gccatcatal tatccttatt ctccatatcc agcaacagcc 420
 ccttaacctt gttatcatct tccccat 447

<210> 11688
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 11688
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 cataattttc aaaggatatgc ttagaaaact agatgggtgca cagggtatgct tggaaataca 120
 gcttggaaaa ttagatgggtg caaagggtatg ctcatgtaat atgtctacaa cgagatattg 180
 ttttaatttgt gaaagttggt aacttgggta tctaattttc ttcatttctc ttcattcagtt 240
 tgatttgtca ttttatatca taaataatat acctcctttt tccatgcaga gtattgcaat 300
 agaattgcag agcgagcaac agttgggata attagctatg tctattggaa attaaagggtg 360
 tcctctatgt gatgtgaatc ttcagctgta tttatttaac ctatactatg ttc 413

<210> 11689
 <211> 120
 <212> DNA
 <213> Glycine max

<400> 11689
 cacctatttt gaatctctta tgatgtacct acatataaga aacagtccca ctctcccaat 60
 tttacacaat catattcata catcatttgg gcaatttcac cgagcacttg gtgagcacat 120

<210> 11690
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 11690

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taactgagaa catctatata tctctcctca caacacggta gcaaattcca ttgcagaaca 120

tacactaata tgggcgtgca aacgcgatgt tcaactgggc ggagaatgat tggacagaca 180

aacgtggcgg gaacaggaac gcttatgtgc gatgaccagg tgctgaaact ggagacacac 240

gcgaggagac agtggatgga tgagaaattg gtggtagcca ttengaaggt ggtacagcta 300

tgcgctgacg tcgaccaccg ccgcatacaa gggacagcgt acggggggact tgacggaggc 360

gtatatattc tacgacacac accgagtctg cgctctcacc tccg 404

<210> 11691

<211> 95

<212> DNA

<213> Glycine max

<400> 11691

tcacataaaa ctatatgttc aatacagctt ggaaggtggt cacttggcaa aaaaagtgcc 60

atatacttca atatatataa acacatataa acata 95

<210> 11692

<211> 337

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11692

agcttattat ctggttataga tgacatattg attaacatta ccaattntga ctcccaaatt 60

taattcctat tttgactgct agaccaaaga aagatacatt tttctcccta tctcttctat 120

tgcttcgtat taaattgcaa gatgtttcca tatattgggc ctaatttttt atactcgctc 180

atgcatgttg aatattttga caacattagg ttttttataa tttatgaatg atccttattg 240

aaggactgct gtctgttaaa ggtcatatat aaatcactat cccagtttta taattttataa 300

tactaatttg agaacaaacc tttntctact taaaaat 337

<210> 11693

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 11693

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ncctttgtca gtttagtact ctgcacctct aaatctagct ttatccatca cagactgatt 60
acccttgaat ttatgttttg ttttgaatgt gaaaaagcgt gaatattatg accttgttga 120
aaagggttttt atttaaattt aaattggcctt gcttcatgag gattacttgg cccttagtag 180
catggaaata ctttttcatg gtatgtatat atgtgaatat atatagcatg gaaatgcctt 240
gcaaagtgtg tgaatatatg gcataaatat accttgcaaa gtgtgaatgt atagcaaata 300
atgaatttca aaaatctgta tatgtaagat aggtagncgt aaaaatgcct ttcanaatat 360
gtatatttgt gggtaggtag cataaggagc ctttcanaca aaatgtaccc atggcanaaa 420
tggcacgaga atggcttcn naatgatata tgatgtggaa ttcgctctca agtgtagata 480
gatgcn 486
```

<210> 11694
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11694

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agcttccttg catgnggtct tgtacacgta ggtttctatg agttcctgtg cttcgaaagc 60
cacgtctcgg atttccgaca cccacatgcg aacgcggtcg ttgccttctt gttttgcatc 120
tgcgtccctc agaaagctct gcatccaccc caattcgttc ttcaaattct ccacttgctc 180
tcttaccctt gccagctgtg aaacagacac cgccgccact gctgcttggt ccaccagcag 240
ccccgtcagc ttggtaacga ccgttgacac agcaacctcg gccatcctat gttgacttct 300
tctcttctct gcttctccca acaagactag agactagatc ctctgcagat ggggggggtt 360
ctgttcact atatcgtgtg tggatgatgag aagcttcctt taatc 405
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<210> 11695
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11695

cacaccctta tacctcattg cctcgctcac gccctctcaa totcatcatc gcctgcagaa 60
 ccttctctcc ttgcaatact ctccaccttc acttcattcc tcaagctaca ctactgctt 120
 ccgaagctca taccocgaga gtattcggtg caattgcaaa caccocacgc ctctctattt 180
 tcacgagctn ntattactac aggatgtctg ctacanaaat agtttttgct ttgcggcatt 240
 tgcgatcact tcagttcaat gaattaatcc agagacacct tttgtttggt ttttttactt 300
 tgcattttca tattaccgta ggccttttg 329

<210> 11696
 <211> 546
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11696

agaccgtcag cttcgtatgn acttgcanna ancananaan anatacgng ccgagagcaa 60
 tnagagggga acgggcacgc ggagacaaga ccaaanttan actttacatc gtgtcacgac 120
 acggaacaca ancacaggag cggagggagg ggacagatgc taaaaaccac aacatgcacg 180
 gaaaaccgc ctcacgacga cgcgcgaagg agagacgctg ggacgtcgag aaagtcgacg 240
 acagcgaaac ggcacagaa actgaaggaa ccggcccca ggacgtaact gcaacgcact 300
 gacaccggga agcggcagga acccggccca acggcgaagc aggagaccgg ccgacaatgc 360
 gagaaacggg cacgcacaac ccagtagca cgcgaacacg cggacacaaa gtgagggagg 420
 tcatgacatg gagacacagg agcgcagcgc cggccgcggc accanagaag accaaacacc 480
 agcaaggggg ggggacgca cgccaaacgc ggaggggggag gagaaacgac gggcaaccac 540
 ccagcg 546

<210> 11697
 <211> 565
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11697

accgaatcgg cgcgtgcagc aaccgagcgg nacaacactc gcgacaacna nccccaccac 60
 aaaccccccc cccaggcca gccagnacta gacaatccaa nncncnana nnnnnngnnn 120

gngngggnnnn gnggggnggn nnnngaggag gngagagaga ttttttantt atggagagng 180
 gggnaaangn gagagggggg gagagagtat ngnnaaaaaa aaaaaannaa angggggggg 240
 aggaaagtag atggagggta tggggagaat agggggagaa aaaggggagg aanaagaagt 300
 agagagaaaag aaaagtgaag gtgaaggagg gtaaaggga gagaggagga tgaggaaaga 360
 ggggatnnta ggataaaaga gagaaaatag gaagggggag ggggtaggta aggggaagga 420
 aaatgaggga gaaggaggta tataaggagg atgaaggaga aaggaggaaa aatgaaagag 480
 aaatgggaag agaggaggag aaaaaagaat attaatgggg aggaaaatgg agaaaaaggg 540
 gagaaagaag agagagngag aagag 565

<210> 11698
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11698

naaaagcgta ggacgttatn cactcaancn aatnnaagca ccgagcggag ggatacagtg 60
 gacctgaacg gaagcgagca aatttcgctt acagagcaac cnccacaggg caggacgagg 120
 cgaaaggaca ctcaaccaac caccacaggg caaaagcgac aaacgaacga caaaagagtc 180
 gaaccgacgc cgggtagcaa gcgcctaaaca agacacgaac cgcacgcggg aaggagaagc 240
 caggaaagaa gccggaacgg agaaccacga ggacgggaag aaaaagcgca agaaggggga 300
 caaagggcac cgaagcagaa acacaaaacg aactgggca acagaggaac cccaaacgga 360
 agcgcgaaca cagaaagggg aggagaggca caaacgaaa ggagggaaga aacaacgaaa 420
 aagcgagcca c 431

<210> 11699
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11699

ccgccacgcg gaaaaccggg aacgcgccca tacacacccc cncncncaa aggacatcta 60
 cgacccccnn naaannnnng gnannngga gggngaaaag agggtttttag gggaaaaaaa 120

naagaaaggg aggagagaaa aaaaananna aggnnggna aaaagaaaga aaaaaaaag 180
aaggnaagn nagnagagna aaataggaag anagnngaga aaaaaagaaa aggaagggag 240
gaccaaagaa aggaaaaaag gaaaaagaag gagaggaagg agaagagaaa agaaaagaga 300
gaagagggaa gggggaaaaa aaagaaaaag agaagaagng gatgaggggtg gaagaagaaa 360
ggngggggaa gaaggaacag aagagagaaa agcg 394

<210> 11700
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11700

ttttaaaaag ggcttannga nngcatgnca atnnnaatng gacgagngga tanagtagag 60
ctgaccgcgc agccagccaa gcatttatchn tttttctagg gcaggctnnc tagagcgaat 120
gagctgaact gtnagcaaaa actacaactc tgtctacctc cgacgaacaa tttattgaca 180
cacgaatggg cgttataggg tgaaccatac ataacactac cttctgatgg agggatatcat 240
gctccttctt gcttatgaga atccgacgga acgccaacg gttctctgac gggctcagac 300
tatctggagc catcagtaca tgggtgcgaca tacactgcat aggctcgaca anaatgagag 360
cactgtcgaa gatgattaac aactcaaaag acaggtaagc acaaccagat actcctaaga 420
tgcaatacat aggggataag aaatgctgca caccaacaaa tattctgaac tgaacgacta 480
gcatataccc gtacccag 498

<210> 11701
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11701

ggcgtgcatg aaacgtgncg angctgagac actatagana cncagctcca actaatgaga 60
ggcattacca aacttcgaat tataacttgt cttatataa caggcagcgg ctggctcgga 120
cacctaacaa acaatctttt caacactaat ggaccttgaa ttgacccaag gctgtaacgg 180
gattgtaggg acaaaccttc ataacctggg gggacataca gagacgccgg ctgcatgtgg 240

catatggacg tgcttctcta tcaaagccat ggccattggt ctttgaatgc gatcatccat 300
 gtagtatggc tggetcagcc acgacattgt ctaaatttga taaaaatgtg cttgaaggag 360
 cgttgctgca tacatatatta tgaaaacgtg gatagtata tgaaagtana taaccgacca 420
 tcatatgaca tctaccattc ttaacattct tttggttget ttg 463

<210> 11702
 <211> 102
 <212> DNA
 <213> Glycine max

<400> 11702

agcttctttt atacctgacg gcccaggatg agatgccggg .cccttcctga aaaaatgagc 60
 tggagattgc ccgctgtact tctattgctg cgctgtgatt ct 102

<210> 11703
 <211> 501
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11703

nccttatgaa gggttgaagn ttntctgcga cacnaanaat acgccgccct gaacttcac 60
 aggactagag atcaatcttg caatttggtg ttttgtggca atcgggaaat cgcataatg 120
 tcagaacgag gcagctaagt accttaattg aagtatgatg gctatgccat tgcttatatg 180
 ggtatcccca ttgtagctaa cccgatacct atcgaggatg gggatcctat gaatatataa 240
 ttcgagagaa aagcctcccg atggaagcaa tacacatatt cttctgcgga agagtgactg 300
 ttattaatgc agtctaaca attattccta ttactatgt ctctatatgt acggtaccca 360
 tagcaataat agataaactg gttaccattt agcaaaaata tgtatcgggc ggacgagctg 420
 tacacatgaa gatcatgtgg cgtcaatggt atacagtggg gtctaccaa tagaatgcc 480
 gccctagcgt aatgaactc g 501

<210> 11704
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 11704

agcttcagtc gtactcctat cngcangang tgnngggat gatgtatcct cacttcacta 60
ctataatcat aacattgagg attgttttta atagaagcta cgaacaacag tttccatatt 120
gcactattat atctgatatg atatgtctat tcacgaaaat tgattgagag ctcaaaaact 180
agtaacatcg aataataata ggtcacttaa tattctttat tacaacatgt gatatgttta 240
ttctaaaata taaaaaaaaa actaatactt ttaaattatt atattattta aatttgaaca 300
tttctttaaata ataattgctag catatcggtat gagtataaaa tataaattat caactagcat 360
gtcgggaagag tataaaatat aaataataat gatagtatgt atcatgagta gt 412

<210> 11705

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11705

tctctatatt attaaaaacta aagatcattt gatttccaga tgtagcacat tgtattgtat 60
gcattataat caaagtnttg tgatggcaga cggtaaaactg caatgatgtg attattanga 120
atgataagaa tcaattttac acctgttgca ctatagtttc ataaaatnta gtaaactgta 180
ccaattattn tcgtggaaaa catgaaattt cttganataa ttaacatatt tttatgacat 240
atataattga aaataaataa atatattctaa cgaatctagc tagcagtgtg tagtagagaa 300
ttgaacctga tagctacgct gatgtgcatg tggctctatc cgagttgaaa atactatcat 360
gataaacttg tacaaaagcc acaagttatc cataacggga caaacttacc tcgtctat 418

<210> 11706

<211> 394

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11706

agctttcttg catggtggtc ttgtacacgt aggtttctat gagttcctct gcttcgaaag 60
ccacgtctcg gatttccgac accacatgc gaacgcggtc gttgccttct tgttttgcat 120
ctgcgtccct cagaaagctc tgcattccacc ccaattcggtt cttcatattc tccacttgct 180

ctcttaccac tgccagctgt gaaacagaca ccgcccgcac tgctgcttgt tccaccagca 240
 gccccgtcag cttggtaacg accggttgaca cagcaacctc ggccatccta tgggttgcttc 300
 ttctcttctc tgcttctccc aacaagacta gagactagat cctctgcaaa tggngggggtt 360
 tctgttccac cttttcgtgt gtggtgatga gaag 394

<210> 11707
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11707

tcaccgtcca tcctctctta ccaactgtaca atcttctatt atatacaca acaccaacac 60
 cgacacaatg cttcgtttcc acacccttat acctcattgc ctcgctcacg cnctctcaat 120
 ctcatcatcg cctccagaac cttctctcct tccaatactc tccaccttca cttcattcct 180
 caagctacac tcaactgcttc cgaagctcaa ccccggtgag ttttcggtgc aattgcaaac 240
 accccacgcc tctctatttt cagcagcttt aattactaca ggatgtctgc taaaaaatt 300
 agtttttgct ttgtgggcat ttgcgattca cttcagtttc aatgaatnta atcaaaagac 360
 caccttttnt tttttttttt ttacttttgc attnttcaat attactgcta gtcacttttg 420
 ggagaccgga tatgagaatg gtaatg 446

<210> 11708
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11708

agcttgnttt taatccaacc tctcatggta gaagcagaca catagaaaca aggtttcact 60
 atcttaggga tcaagtgaac aaagagaaac taaaagtgga gtactgctgc acatttgatc 120
 aacttgctaa tattttaacc aaaccctca taggggagaa gtttaaaatg ttaagggata 180
 gaattggctt gatgaactta ggagatcaga attaaggag ggtgtganag cttaattctg 240
 tttttgagtg gtgtagattt aattgtacat tggatataag agagtaacag aattttaaaa 300
 ttctgttata agtgcctagc ctaagtgtga aggggtgtac tctgtttgct tgataaaagg 360

acatacatgc atctaataat gaggatatca ttcattcattt ctc 403

<210> 11709
<211> 447
<212> DNA
<213> Glycine max

<400> 11709

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taaaagctac taatgaaaaa tacaagtcca tggttgatga agcatgacat gagacagctt 120
catggcaaag tgaaagctaa gtgtgctggt tgttgccaa acagacagct tcatgacatg 180
agacagcttc aagaaaaaat aactagtcta ctccactc agttctacta ctagtcaaca 240
cttactttgt ttgctgtcca aattcttagg tgattaaaat aataattacc atcttgtaga 300
atgttatgtt aataataaat actaattgga ctgcaatatt agagttggac aaatacctca 360
atgaactttc gaaaaccatg gcctagagga gattcatgat acaaatcatg aatgcacccg 420
atagaaagca tcaatattcg gaaaatg 447

<210> 11710
<211> 414
<212> DNA
<213> Glycine max

<400> 11710

agcttctttt atgtggtagg gcgggcttcc ttcaccttct tgtctcaact gcgagctttg 60
actaccgctc ttccttcccg cgatgcttct tttatatct gcctgagtgg gggtatagcc 120
taaccatac tttccacgat ttccttggc atttatcagg ctagttatgt cgccattgtc 180
tttgctaaa cccattccgg gtctgtaacc gttcccaac ataacttggg ccatcattac 240
tgctgcatcg gacaggcaag gctgccaga gaaggagtcc acggaggaaa tgcttaccac 300
ctcaaagac tggaaagcgg tttctaata ctcctctgcy gcctccacat aaggcataga 360
ggatgggcag ctcaccaaga tgtcttctc gcctgatata atgaccagat gcc 414

<210> 11711
<211> 403
<212> DNA
<213> Glycine max

<400> 11711

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agcaaacaat ctaatcactt tgctctcact tgaattgatg ctacatttaa ctttcttaca 120
aactgatgaa aattattatc aaggttgaga tagaaattcc cggatcctta ttatatgatg 180
gtgtaagtga gccaaagtctc acataggtgt cgaactgtcg atgaatccta acttaccat 240
ttaatattat acatactctc tcaccacact caatgcatat attcttatct acatctttag 300
acagtaaaca ctctaagaac ctacatatt aaaaaaaaaa caatagtaat tgcacagttt 360
aatcaaaaca ataaatatac tcacaataaa caacagttga cat 403

<210> 11712

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11712

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acttttctta gagcttccgt tntcaatttt gaccgtctcg atatcctacg ggacacaatt 120
ggacatccga gtgaaatggt attgtcatta gaatatgctg agagcttcaa ttttcaatta 180
cgagcatctt catatattac gggactcaat cggacatccg agttaaaagt tattgtcgtt 240
agacttttct tacagcttcc gctttcaatt ttcgagcgtc tcgatatatt acagggctca 300
ataagacatc cgagttaaaa gttatagtcg atagactttt cttagagctt ccgttttcaa 360
ttacgagcgt ctcgatatat tacagggtc gatcagacat 400

<210> 11713

<211> 241

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11713

cctaaatact gagcgaatg acccccantt tgctactact tttttagcct gtttagagct 60
ataaggactt aaaagcacia tcttactcat gtatgctgaa tataacttat gacaacttaa 120
aacacactct tactgatgca ggccttatta actgatgacg acctaaagac aatcttatca 180

tgcatggcgt gataactata acgactaaac acactctgct agcagggcag ataactgtga 240
a 241

<210> 11714
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11714

atcttacttg gagcatgcat agcgaacact tgctgggttca ccttttctca tgacttctca 60
gggatacaag gactgagaca atgcacgcng tctgctatcg tatggcccca tctgctatcg 120
ctcatcacta atgctgctat ccctatgaca tactctgccc gattgtgtac cattccattc 180
ggaaggcgaa tgacgatgat gtggagaacg ccaaggcata taaagtcctt gcggaaatag 240
acattgcgag ccattcttgac catcgcgccg atgactacga gcctgatagt tcgctgtgtc 300
ggctagtgtg tccaataaca cagggtggcct acacggcaag accgagtata tgatccacac 360
gcaagtagtt tcacctaaac tatgcatatt gacgtatgaa acactgatga accg 414

<210> 11715
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11715

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cagatagcgg tttatgagca tatactacac tctctcattc taagccatac atgggatggt 120
cgaaagattg tgaatcgact catgcatctg acgtactatt agtataaccg acttcatgat 180
gatacatggc accggctcgg ggcaccgctg gatgctctgc tgtccactaa ccatacacag 240
gtacctctcg atttatatgc gtatgcttgc gcatcatagg atggcgtgcg tgacatgaga 300
ctctgngtga tgggcgcctg gattctgtta cacgcatacg ctatgcacca actactgtga 360
tatctgacgg cttaggaata cgggaactac tgcgaaatagg ccatatgacg accgactgat 420
gggaacatat gatgctn 437

<210> 11716

<211> 312
 <212> DNA
 <213> Glycine max

<400> 11716

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 aaaaattgca ctggttggcgg gcacatggct ctctattttg gctaaatacg agcgtggggtt 120
 caactaaatc aaatgatgag tggcggccga ctatttggcg gaaaaagaat gcaaacatct 180
 ctaatcaaga acattttgat ggaacgagta ggattgatga tctattatct tcacggagtg 240
 gacatggctc actcaacatg attcctcgtt cacgttctct tatgtgcact ggtccagcaa 300
 cattagcgca tg 312

<210> 11717
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11717

cgcgagcatg gacgtagacn atcgcananc ncngaanatt ngncaannga cctgcctccn 60
 ggannaanga ccagtttgcc aaaagtttgt ttngttgcaa tcggaaattc ggatcattgg 120
 cggaggaggc actaatactt attgtatatg tngctatgcc atcctattgg tatcccattg 180
 cgctaaccga acgtaggagt ttggatccta taatagaaat tgagaaaaat taccagagga 240
 acaaaaaact atcctcgggg aaattctctt ttatgctcct aacatattct atttactttc 300
 tctttttcag ggtacccatg aaaataattg ataaaactggg aaccatgtag cgaagatttc 360
 tatggggccg gnggagcgga ccaaaggaag atcgcatggg tcaaattggaa acagtgtgct 420
 accaaagata atggtggctc gcataatgac tccn 454

<210> 11718
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11718

agctnctatc attatatctc gganagcaat caagatgtga ggcattgtcag tgttggaac 60

cccaatagaa cggaagaact cgagtttatg caaaagggtg tactctgcat cctcaagaag 120
caccaaaggt cgtttcttcg caagttttgc aacctgcatt atgtcaaacc catagctgct 180
gagcatatca ataacagcgt ctgggccatc tgggtttgta aaaatgaccc tgtcggagac 240
gaccttggct tttcatggcg gcacccaca tgagttgatg aggtatgaca cagtataagg 300
gtcacctttg tggcggcttc catctgattc agaatcagaa gagctggctg aagtgaatga 360
atagaagaaa acacttgaag cagtgtgttt gagttgagac agagaacca atgtgat 417

<210> 11719
<211> 275
<212> DNA
<213> Glycine max

<400> 11719

tctgctttgc tgggtctatca attactactt tttgaagtct gcctctagtg tcaacccttc 60
ccacttgcaa ggaattcttt cctttcttca ttcaatgctt tgaattacag ctctgcact 120
tataaaagaa tagatctctt caacaataag tctctttaat gacagtactc ttagcaaaac 180
acaactttac caactgaccc tctatcatag tgcatacaat ttcaagttag aatcattatt 240
actaaccaat gttccactga tctatctcat gcttt 275

<210> 11720
<211> 316
<212> DNA
<213> Glycine max

<400> 11720

agcttgagtt gttgaagtgt tgaagggtga aacttcctgc tcttattggt gaccacagag 60
tggtacctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcatg tggggtgcta 120
ttgccacaaa accaagcttg accaatcccg acccaacccg ggcatagtcg gtcagtgaga 180
acatgtgacg tacctaagca cgcgagctcc tggcagtcga cagataaaag gaaaacaaga 240
ccacatagca atgaggcttg tgggtggctgg ccagctgtga atcttgtgta atatgtggat 300
tgaggcctct ggtaat 316

<210> 11721
<211> 358
<212> DNA

<213> Glycine max

<400> 11721

tggctctgcc ttccggcaag cctcctttcc atgtccgcct gagtggccta ataccctaaa 60
ccatacttcc cacaatttcc ttgggtatth atcaagctag ttatgccgcc gttagtthtt 120
cctaaaccca tcccgggttc ataaccgttc cccaacataa ctccggccat cattaccgct 180
gcatcggaca gacaaggctg cccaaagagg gagtccacgg aggaaatgct tgaccacctc 240
aaagactgga aagcagthttc tgacgattct tctgcccgtt ccacataagg catggaggat 300
gggcagctta ccaagatatc ttctcgcct gacacgatga ccaagtgcc ctccacta 358

<210> 11722

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11722

agctntcatc atgttggata cttggttcac agacgaaagc aataagggtg acttcaagat 60
ggthttatgct atgaagaatg tgagaattat gaagtgtctg acttggaatg gttctcacia 120
tagggattca aatttcccaa cttgctagaa gcacagggtc tgtcaaagtt tgtgtagatg 180
acgggaacct tttgccata atttgtaaaa gthttctaca catgtgctaa agcagatatg 240
gaaggagact tgtactctac tgtcaatggt gtacagatgg tcattgatgc tgaagthtgg 300
agagcagtag caagaataga catatgtgga gtccgcaagt ttgaggaatt tgcagatggc 360
tacaacaaaa tgtagacata tagaggtatg ctccttga 398

<210> 11723

<211> 181

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11723

taaatthttg gcttcagcag gggatcatgt tccaaaggct ctgatcgagg tcgtacgcga 60
atcaaataaa cattaaaatg tagtaactan gaagtgatcc taggtcattt cccaacgagc 120
agtgataaac caaaagttca taacagatag taggaaatag taacaaattg gggggggggg 180

<210> 11724
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11724

agctagtata attcaccctt tttccagtgt cctatgctga cttgctccca tatctacttg 60
 ataattcaat ggtagccata accctagcca aggttcatca acctccattt ctccgagaat 120
 acgactcgaa cgcaacgtgt gcttgtcacg gagaagcccc ggcgcggttcc attgagcatg 180
 gtagggctct gaagcgtaag gtgcaaggtc taattgatgc gggctggctg aaatttgagg 240
 agaattgcgt gtaaactctg acattgacaa gagatgccac acatggggca attttgaaag 300
 ctgttgtagt gtgtccctaa tgactcatca nggttatcca agttatgcca ttattgtaaa 360
 ccacagctac aatgttaaata gaaatggata aagttgatat ctttgtccct catcctctc 419

<210> 11725
 <211> 514
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11725

agagagggnt gancnttigna nccctgtana ntctcgatac tanacaaagg catccttgtg 60
 ctcagaaact tatacttctc aagagtttcc caactctaac acccagnncc aacaccgaat 120
 tctttttgcg tttgaatggc ttgacactaa cttaccacaca cattttactt tccaattgaa 180
 cgcctccact gcttcatgta agttccttca caatactcaa cattttaccct ggtgggtcct 240
 taatgcttta aacattagca atgttagggc atanggaaac aaatcaagaa gagtcaaagg 300
 attaattcca tacactatct caaatgggtga acaattagtt gtgctatgga caaccaatt 360
 ataggcaaac tcagcatgag gcaaacatgc ttcccagaat taagactttt cttaaaacag 420
 gtctaagcag tgtgcctaaa gtccatttga ctaccctcaa ttgaccatta gttgtgggtg 480
 gcaagtagta gaaaacaacc atttagtacc aatg 514

<210> 11726

<211> 128
 <212> DNA
 <213> Glycine max

<400> 11726

ttaatacgac taactgttgt gctaaaaagt attgtaaata tgatgcgact gcttgcatta 60
 acagtactta ttatagcatt gtaagaactt gtgggtcaatt aaagcaataa gtgcttacta 120
 gccacat 128

<210> 11727
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11727

gaagatggac tcaagttggt caaactgaag ggtgttggtta tgcaggtaan caatatctgg 60
 tacctggtct agtttcttgt ctcaactcaa cttatcttgc gaaataactt ctgttcttta 120
 tccaggatgc cgccaatgct gctataagtg ctatgggttag tgtgataaga ctggactcag 180
 agaaagtcca acaatagtgt gatgcagcca atcacgaagt tectgaagct gagaagggttc 240
 aaattgccaa ttacctgtgc ccagtaaggt tcttgtgaat ctaccattta taagcttaag 300
 caaaatctgt ttctagatta tatataacca gtagcttggt tggaatgctt gtcttttgat 360
 agggaaaacta tgctgtctc 379

<210> 11728
 <211> 51
 <212> DNA
 <213> Glycine max

<400> 11728

tgccctaaaa aaattacgcc cagccctgcc actcatcgca gtagctgttg g 51

<210> 11729
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 11729

gcttcttata agctgaacca ttttatcaat aaacacaagt tgagttttat tcagaaaatt 60

agagttttatc tctttttatct tagtgagagt gatttctcta aattcttgag tgattcaaga 120
acaccctggc tgtatcaaag gactttcaca acctttgtgt gttgccctcg ctggaaagag 180
tgattctttc cttcctttca tcttcaccct tgttctttca aaccacaatt ccagaaaatc 240
cacctctgcc cagaattatc tcgtggccat aactcccggt ttacgcactc aaattaagtg 300
attcttgagc ctaaattgaa tgtcaaaacg agaactttga cctcgttttg gaatcacctc 360
atttgagacc ctgtagcttc agttattgcc atttctatat ttctg 405

<210> 11730
<211> 434
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11730

ntacagcaga ttntagtaat gaccactaa cttagaatta ttttaactta atgccattaa 60
cctanggaat taaaacaaac ttaatggctg agtgtaactg aaattgtggc aaccaaaagt 120
caccaccaac agccaacaag tcagccacca attggtctcc caaaaggctg atgcctaggt 180
tgccaattgg gcccttatta caacttgaac taaacctaac taaagccctt ttagttgatt 240
aaccanaac atatttgtgg tcagccaact ttacaaggat tggggcatta ttagacaaa 300
ctaaacactc taaaattgag acaaagtggg gtcatttagt cctcctccat ttggggcatg 360
atacaactca caaccttggc cttttctcct tgaaacttgg gcttgtattc aaatagtatg 420
gacagcactt gttg 434

<210> 11731
<211> 413
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11731

agcttgatg atttgcaaga tcatcgtcct tgacaactcc ttgaaaatta ttgccatcaa 60
tccaaagaga tgacaattta gagagtgatc caagactttc anatggattt ccactgaatt 120
tattaataga gagatagaga tattntaaat ctatctccct tgagttgcgg agatttccca 180
gaaaagtcgg aattattccg tcaagttgat tatatgacaa atcaagttca acgagagaag 240

tcaaatttcc cagggcatca gaaatagtc catgcaagtt gttgtcccct atgttgagga 300
gcttgagacg atgaagaccg tataagcaat caggtataga agatgagaat gaatttccag 360
acaagtcaag atcttgaaga agtgtgatgt ttcgaatacc accaggaatg gga 413

<210> 11732
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11732

tcctaggctc attggagagt ctgagatact tggaccttat ctttaagtggg ttcattgggat 60
taatccctca tcaactaaga aacctctcan acctgcagca ccttaattctt ggatacaatt 120
atgctcttca gatagataac ctttaattgga tatcaagget atcttccttg gactaccttg 180
atgtgagtgg ttcagacctt cataaacaag gtaactggct tcaagtactg agtgaacttc 240
catctctttc agaactacac tnggagagct gtcaaattga taacttagga ccaccaaag 300
gaaaaatcaa cttcacacat ctccaagtcc ttgatctttc aattaacaat ctcaatcagc 360
aaatcccttc atggctatctt aatctcagca cagctcttgg ccaacttgat ttacacagta 420
accttttaca gggagaaaat ccacaaat 448

<210> 11733
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11733

agcttgattg tgtgtatccc accatttttt catagtagaa cactggtaat gtgtctacta 60
tcattgttat catttctttc tccatcattg agggaaccac ttgggctgcc agatccctcc 120
atctttgagc gtattctttg aaagattcgt gccctctctt gcatatgctc tgtagtgtga 180
tcctatccgg agccatatca gaattgtacc gatactgcct aacgaaggca accattangt 240
ccttccaaga atggactcgg gaaggttcca aattagtata ccatgtgaca gctgccccaa 300
taagactntc ttagaagaaa tgtatcagca gtttctcatc ttttgcatat gccncatct 360
tccgacaata catctttaga tggttcttgg ggcaagtagt cccctgtac ttgtcaaagt 420

<210> 11734
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11734

tatctttggg tttgttagcc acgctcaaca aagtactttc gacacctaata gtacgttgat 60
 ttcaccaatg ctgttatggg aatgttgcca caatccttta aaaccttatt gatacattct 120
 gagaggttcg ttgtcatgtg gccatatcga cgtcctttctc tatcgtaagt catcgtccat 180
 ttttcctttg aaatgcgac aatccatgtt gctatggctg gactcagttc acgaaatttt 240
 tctaaatttt gatcaaaaat gtgtttgcaa ggagtgtagg ctgcataaaa ttagttatga 300
 ataacaattn taagtataaa tgaaagttaa ataaacgtga ccatcaaata tgaaatctta 360
 cccaattttct tcaacatttc tt 382

<210> 11735
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 11735

taattcttca ttcaagccct attagcaaag cagtggtgaa tgattcttca acatccaaaa 60
 tctctcttgt taaaagtact gaagaaaaat tatgtcccta ccagtgttgt taaaaagtgg 120
 ttatggtgac accatggcag tatggcattg cgggttttcg aataaatgcc atcaaatagc 180
 ggtagtggtt tgggtttcgt atggaggccg ccatagccat agaggtcggt gtcaaattga 240
 ggttatggcg gaagagtgtt tttttgtttt ttttttttaa ctttcgcaac acgtcgtgtt 300
 aggctgacct gacccaaccc tacccaaatt tcgcatgcaa aaggagacga ggagcgcaag 360
 cacaaagcca cgaatagcaa caggcttact ccagcgacag caaagcttca gtgc 414

<210> 11736
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 11736

cacttatatt cccaaactta ttctaataac aatttccatc tttattatga cattacttct 60
 taaacttctt aaaactttct taaacttttg agaaaactcc ttaaactaac cttactccac 120
 cccttatact actattctta actcttgaat ttaaaaccac tactccatat tttatactac 180
 tactcttaat aaactaacta ctccccctta tacta 215

<210> 11737
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11737

agcttngtct aagcgagtnt gtcacgctaa gcccaaggca atttagtttt catatttttg 60
 ttgcaatttc ttctctggtt tagaataggg cttagcaagc ctgtctcgct aagccattaa 120
 tgttacagtg gtcaatcctg gtaagctctt actgggcgtt agcttagtta gtgtgtcgtg 180
 ctaagcgagc catgctcgct aagcgcaatt agctctctat tggagaataa ggcttagcga 240
 gccatgctcg cttagccatt gtggtatttc a 271

<210> 11738
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11738

ggctttttca aaaattttgt cctctggatg ggcctaaggg ttccaacca ataaaaaata 60
 tccttgtggg tttatggaaa ttgctatttc tctaaaataa tttcaccacc tttattgtgg 120
 aaatccttga gagatgaggt aattttgagg ccactttga catacaagcc aattgctttg 180
 ttttgcaggt ttggtgttgc aatgcgtgat tttcttattt nttgggcttt tgtgttgtca 240
 ctttgaatgg ttttaccatt atttaaattn aagagagaga gagagagaga gagaatcctt 300
 ctgttattta taaaat 316

<210> 11739
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 11739

agcttggtatt attatatttga gcaactacaa atgatcttga tgagatttcg gtgtcgcaaa 60
ttccgcatta cttcacattc tacactaaag ctcccttgatc ccaattcaag gtccaaatta 120
aataatttga ctgcaacaac catcctatctt ggaagtatac ctttgaacac agagccaaaa 180
ctacccttac caagcaaatt actctcatca catccattgg ttgcccgtga aagttcattg 240
catgaaattg tactagatgc taatacagta gatgaactga cttcagcagg atcaccacca 300
ccatgccttt ttcttcgact acttttcaga aggaacacac ataaaacaac caatatgggt 360
gacaacatta caggcaatat gcattcgatg aaaacatatg tgca 404

<210> 11740

<211> 178

<212> DNA

<213> Glycine max

<400> 11740

cacccaaaaa aaaaacaaaa aacactaaaa ccctacaaaa aactccatct accaactccc 60
cacccaaaaa aaaccatcct aaaacaccta aaaaacaaaa acaaactaca ccaaccctat 120
aaaactccct ataaaaacca aactacccca cccttaacta ccacccccta aaaaaaaaa 178

<210> 11741

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11741

agcttaatat gtttggtcac accatatnna ctatactgtg atcaactgat gcaatctatt 60
tgattgaaaa gataatttat attactcttc taatgtagtc gacaactaaa aaaaatataa 120
cagaaagtaa tgcttaagcc aatcaaatac agtcatttcg aatctcatca ttactatcat 180
gcatctcaca gagaaggaga atcacgcac gtaatgcata gcacaacaaa acattaaaag 240
aaaacatgcc ttgtaaagcc aaccaacgtg agaatgtatc tatatttggtg aactttntca 300
aaatcatcac acatatataa aaacatgggg gaacaatctg accacatgcg caacacattc 360
cacacattat ttctgaaaat g 381

<210> 11742
 <211> 69
 <212> DNA
 <213> Glycine max

<400> 11742

tttctaccac atcttactgt gcctctatTT atcaactTTT ccttactacc ctactttaat 60
 tataattac 69

<210> 11743
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11743

gaanccgngc caggtggcgc tcacggcaac atatgcta atcttctaga gatgctatgt 60
 tttcctctgc ataacaccat ggctgtagag gaattgtctg gactggaact attgtgatca 120
 atatcatgtc ccctaacaaa acatacagtc ctcatatcta aattcacctg catgactacc 180
 tattccagct ttgataagag cgtttatgat acgtaaggac aatgtcgatg tgaacgtatt 240
 gcatagttat ctacaatcac taaagcataa taataacctg ctatgctcat gcctggccaa 300
 tgacgcattg agtctagctg cagcgctct gtactcctta ggtgggcacc atgcttttaa 360
 ctctaaagag acgccaattt ctttacgact tcgagcgtgg cg 402

<210> 11744
 <211> 199
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11744

agatgtccaa atcttgatgc catattctga cttcatcttc tntggaagat agacatgtgg 60
 aggagtaact gggctctgag gtgccatagc agcaggtgtc tttgactgct gccttattaa 120
 acttactctt tcatttgtac caacatgctg acttggaagt gacattgaac cttctcacia 180
 cactgactga gctgatcag 199

<210> 11745
 <211> 422

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11745

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agcttgtgta cttgttgatt aacccaactg aaaccacttg gcaaaggcat gtccaccata 60
tgcttcacaa tttttccttt gctcaaaagt agtaattgac atcaaagtct ggaaattntg 120
aatatatgaa aatcttaagt tttaccacat caaactctcg ggcaatcaat gatgttcatg 180
caaattatgg tttccgcaac cacacactcc aatattccaa atggacacaa ccatgtcacg 240
caatggtttc cttgagaaac accaattggg gttttgatta tgacttcatt gactatgtac 300
gaaatttctt ttggccagcc attattggcc ttcaaaaata ggtcttatnt gatttattac 360
aacacatcaa gggtgacata tggttttagc cccctccca cttaatatag aagttaaata 420
ct 422
```

<210> 11746
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11746

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catttgaac aagtcgtgcc cacttcacc aaaatattct tatncttatt attattatta 60
aaagaaaatt tcacactctt ctttcataag ccaccactcc catttatata catctatcct 120
aaagccatat acaattttcc tcaatacata tatatacaact cgttcatata taattctctc 180
tgatcttatt atttcctttc aagtctctta atttctctat atttcaaaaa ctcaaaccct 240
taaatgaacg acttgttctc cggctccttc tcccgcacca atgaccaagt ctgcgcggac 300
caccaccatg tgatcgagat 320
```

<210> 11747
<211> 403
<212> DNA
<213> Glycine max

<400> 11747

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aggcgagtga acatctttca tatgattttg actgacaatt atcgttctca tgttcttatg 60
aataatggct taacgaagcc tagtctcagc taagccaata attgcacagt ggtcaatcct 120
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ggtaagctat tactgccgtc aagcgcgtat actgtgtcgt gctaagcgag ccatgctcgc 180
 taaacactat tagctctcta ttgtagaata aggettaacg agccacgctc acttaagcac 240
 tgtggaatgt cagataatac aatgtgacgt cattagccac acactatgac tttcgtagac 300
 aagctaaata catactgtat tattttttaa gcacgcacac caatgccgca ttacttccag 360
 ccaaagtctt tgtggcaata tgtctcctgt actagccaac aaa 403

<210> 11748
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11748

gcttagggaa cttgangctg cccttaaata cgcccngnac gaacnggggc cttataagga 60
 gaagcttngt taagtatatc cgctcaccga agggcgctgg gacgcctaaa gccnataaaa 120
 aacaccactg ctgggggttg aatgaaacta cacccttcta acaccatata tgatcatcct 180
 cgacggttct gtggcatttc gccataagga tgtcatttct atgccagct ctgcacactt 240
 accccttgac atgcgatgca aacatggtgc ggtggcgcca cgtagtctcc caaaattgtg 300
 cttactggga tcccactgga attggcagga caattgcttc atataaatag agagagaaaag 360
 agagagagag atatcagtea tgtatattat agagattcac ggattatctt catattctaa 420
 atgccaagc caagcgtagt ggctgtatga tagacatttt gagaaggcta gcgaacttct 480
 g 481

<210> 11749
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11749

agcttgaatt catgtaatcc actatcttct catagtagaa ctttcgcaac ttatcctttg 60
 acgggagggg gaggcgaaat aaaaaggagc gtcttccaaa aaggaaaatg cgtgggagtc 120
 gccaccaatg tttatccaac gaaaacgtta aaaacaccaa aaacggggtt gcggatttcg 180
 aacataacgg ttcaggagcn gtttacacat ggggaaggta ttagcaccct gcgtgcccat 240

cacatgggac tacaacctat aatggagtggt gcaaagacat gacttctata ttatccatta 300
 tgcctttata tttactat t 321

<210> 11750
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11750

cccaattcgt gtaaagcccc ntntctcgaa cgtnatcgnn anaaccacn anacaagcca 60
 nattnccctt tagnttcact ggngaaccaa ncatgcagtc tctcataatg atcattgata 120
 atcaccccc aaatcttaaa atacatttaa aagacccan aacaaggact actttatnaa 180
 aacaaannga aactcaaat anttngat tttgatgcaa attgngcagg atcacccatt 240
 gataagcgtt ccacttcaag atattgtgtg tcttttggag gaaatcttt ctcacggaag 300
 agtaagaaac aaaatgttgt ttcaaggctt attgcacaag ctgaatatan agctatagtt 360
 gtaaccacat gtgagctcat tttgataaac atcttcacaa ttaagtttga aatctcaaca 420
 attaactatg ttgtatatca ngncctact atactcta t 464

<210> 11751
 <211> 411
 <212> DNA
 <213> Glycine max
 <400> 11751

agctttcttg gggctat ttc ctgcgaaaac aaacatttgg aagttagttt tacaagatga 60
 tgcttat ttt accacaaaaa tgacatgcta atccctt tgg tttagaacaa actcatgtaa 120
 tctatttatg cacacgcgca tgtgtagaaa atatcctact atttatgtca acatacaagg 180
 acaccaaca cattctaatt gccatacatc tatgtgcac tagaaaagag cacacattct 240
 catgctcaat gcgttgcgtc aaactttaca cctaattata tcctaaatat ttgctattta 300
 caaactactt acacatattt gaaatatata tcatacaaat tgtattgttt cactcacatt 360
 tatttatatg catattggaa tgtgtcatac cctaatttcg tccggggacc t 411

<210> 11752

<211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11752

tatccacaaa aattgcttga atccgttcaa aggtccatct ccttaatggc ctctntcact 60
 tttggcgggtt aaaatgaaca ttgagaagt ctaactgtgt aatcgattac tagaaacctg 120
 taatcgatta ccagtgaaaa atttcagaaa aagatttttg aaaagacaca tctcttcaaa 180
 tcattttgaa naggaacgaa gggcctatat atatgtgtnt gttttcanaa tgcaagagag 240
 agatattcca agagaaattc attgtcaaat gctctctcaa caactcttgg gcaaacactt 300
 gcaaattctat tgagagttca tc 322

<210> 11753
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 11753

agtttctttc acatgataat aataccattc cagagttgct atgtgcccac taatttaatt 60
 acattgaatt agagctagac ttacacacta atattacttc aatcagtaca acatccatta 120
 accaaggccc aattttgtag gtgtataaca atgccaatta tgtacagaag tcaagtaatt 180
 aaattccctg tacataacgg cattcatgag tgacatgagg ctggtttgtg tgatattgtc 240
 tttgaaaatt attatatctt ttgttcatct gttttccatt atatatgatt gctccatttt 300
 tggctgcta gctggctagc tttt 324

<210> 11754
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 11754

cctgtccgat gcagcaataa tgatggcccg agttaagttg gggaacggct acgaacccgg 60
 aatgggggtta tgcaaagaca acggcggcat aactagcctg ataaatgcca aaggagatca 120
 tgggaagtat ggtttaggct ataagccac tcaagcggat atgaatagaa gcaccgctgg 180
 aaggaaaagc agcggccaaa gctcgcagtt gagacaagaa agtgaaggaa gccaccctg 240

ccacataagc agaagctcta taagcacatg attgggagac gaatgtcaag tggtcgcat 300
 atacgaagat gatgttccga gtacatagga ttaggcacga ccatgcccc ctgatctcca 360
 gctgggaaa 369

<210> 11755
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11755

agtcttattt gtgttttgta atacaaangg naccgctggg attgagctct ataaagaata 60
 aagttaggac caatcgaaaa tatgcatgac tgagatcaca ttgcatataa tatacatgta 120
 gcttatgcat atcgacctat gtcattcaga ttctgttgcg tctgtttgat caatcattat 180
 ggattcaggt attcctaaca ctctacttga taatctaacg tagtcgctgc cctgtagggc 240
 attggattcc ataaagatct cctgagattc taacataaag acgttatagc ctctctataa 300
 attaaatatt tgctcaacca aatgattgaa tgaaccttcg taattaaaac cacattacaa 360
 tacgcttcag cacaccaggc gagatagctt gctttgatgg 400

<210> 11756
 <211> 94
 <212> DNA
 <213> Glycine max

<400> 11756

tgaaccccc ataatatcc ggctctatt ttttgaatac tgccagtcta ccgtctcta 60
 ccttgtgaac tacatatata taaatatata attc 94

<210> 11757
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 11757

atctatatta tgctcgagtc attcatccct atgagatgtt gttgaagtat tggcgatcag 60
 aattgccatt ccttggatta taagggtgaa ccaagctcat gcttttacia aaaggttcat 120

caagtcaagt tgaaatatgg aagtaaccat cttgcaaaaat tggggcaaaa gatgaatcga 180
gtcacatcac tgcttcgtct actgccaaac atatttagga ttgttgatgt ccttgttact 240
tctagtttca ccttgacaaa gatgtcatgg accatgttga aaatctaaat tgattcaacc 300
ccatatcctg cgtaaaaatt cgcaatactt caactgtaca tcattcgcac gcatccatgc 360
ttttctttgg ttgcattgct cattgcattc tttccttgaa aataaaat 408

<210> 11758
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11758

nggcttagga cccgtttgca ncnancnct tangnataac caccacgcg agaaagaggg 60
acattatgaa ccggaccatt ttattanatt gtgacangac acacacaacg tgggagatgt 120
gtagatgtaa attccacact ccaccaccnn tttngtacac aaaccgacta atagctggaa 180
gggcttatgt actatctacg gccacaaga tacacgtgtc atgctacgtg gcacattcag 240
acacacgtca accctccatg tcatacctac cacaagagca cgaacgtcta acccttaata 300
gctgagctct caatcgacag gatatatcta aaatgccatt attcgaaaat atagtcgttc 360
ctttaactcc tggcaggtat cgaattatcc taaagttaca catgattact catgcacaat 420
catatggaac aatattagta aactaggtcc tatgacctgt acaatatata gaaacttttt 480
tatctactgc ctatctcttg 500

<210> 11759
<211> 294
<212> DNA
<213> Glycine max

<400> 11759

tagtttgatt cācgcagaga ctaatttcgt cttctgcgac cttcgtcaat cgcggccgac 60
aagcccgttg acacatggag atttacgtca tcttcgcgc tcacaagatc tgtcatactg 120
acttttgagt cacgctgacg ggcgtaaata cctgagtggg gattcgtata aactttttgc 180
tgtctgtaag acgaaaagcc tgataacacg cagagactaa cgctcgtcttc tgcgaccttc 240
gtcagatcgc ggccgacaag ccggtgacac atggagattt acggtgtctt tcgg 294

<210> 11760
 <211> 292
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11760

cttacgtctt acttaatgca naaagnttat actgttaacc tttcgggtat ttccgctcgt 60
 cagcgtgact cagaagtcag tatgacacat cttgtgagcg cggaagatga cgtacatctc 120
 cacgtgtcaa cgggcttgtc tgccgcgatt gacgaatgtc gcacaagacg acgttagtct 180
 ctgctgttta tcacgcttgt cctcttacag aatgcaaaaa gtctatacgg ataaccactc 240
 gggattttcc gcccgctcgc gtgactcgca agttagtatg acagatcttt tg 292

<210> 11761
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11761

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 ttaagttctt aatcagtgcg gtggcattgt ccgaagggtc ttatcanatt attgggtcat 120
 tttgtccact tggctaacca tataaaagta tcaataagaa ttgtaaagtg gggtttcatt 180
 ttgtttgtggc agttgattgt gctttacgtg gttttcaagc ttgacgagag ttacacgccg 240
 agcaaagttt ccatccttgc cggatgatgt tttcacaact tgaaggtaaa tttttatttt 300
 attggttttg gtttgattgg gatgattatg cttgccggtg atgcttaatt attttattgg 360
 tttgggtttg attgggatga ttatttggga aca 393

<210> 11762
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11762

atatatattg tgctttgatt accgtgccaa catgtttgtt tggtttaaac taatgtgcc 60

gcattatggtt tgataggtac cctaaaccca attcattnga tgtttctttn ttatatgtat 120
gttctctgac gacaaggtga caatgtgcct ttatantttt gttaaaaaat ttattgggtcc 180
agggtgttct tctgtgggat atggagcaac acaagacctt gacctatttt tagcggacac 240
tgatggcagg ggccttanat tcaataactt ttcctggaac aaaggtatga aacgtgagat 300
ctangaccac aaacatatgt acatactaaa atntggtggc acagtcacct aattactact 360
ttctagtttc tactttccat gttaacaata ttataaaatt atgttcaacc acacacacta 420
gttcttcggtt atttgccta 440

<210> 11763
<211> 362
<212> DNA
<213> Glycine max

<400> 11763

agcttgattt gttgaagtgt tgaaggggtga aacttcctgc ttttattgtt gaccacagag 60
tggtacctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcagg tgggggtgcta 120
ttgccaaaa ccaagcttga ccaatccga cccaaccggg gcatagtcgg tcagtgagaa 180
cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aacaaagacc 240
acaaagcaag gaggcttgtg gtggctggcc agctgtgaaa cttgattgat atgtgagata 300
tggtctctgg taatcgatta ccaaggggtg gtaatcgatt acaaggctta aaagtgaaga 360
ca 362

<210> 11764
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11764

ttccccttcc ttttgcctag tcgatcactc acttaatcct ccattttctc cccctttgtt 60
tttgagttta agcttcactt gaaattaagt tatttaatta tacgagttct tgatntaatc 120
cctatnntct ctcccctttt ggcatacaaaa aaaagccaaa gtgtgtaaga aatataaaac 180
catatataaa tgactaatca tacaagagaa tagaaaacaa tcaaacaaga taacttaacc 240
attcatcana ctagaaagat aatacttcat agaatgtcat ataatccaga aagtcaccca 300

taataaccaa atanaactac ttatgcagaa agggaaaaat actagtagtg tttttttaac 360
aacata 366

<210> 11765
<211> 236
<212> DNA
<213> Glycine max

<400> 11765

agctaccgtc tgttcatttg ctccaagctt gcgcatggaa gggcaaattgt ctgtatggag 60
gtcagcacac gagcacatac cacagaccct tgcaacaggt acagattact ggctcaaggc 120
cagctgggtt accaaattaa ccaatacatc caatgcgcct atcaaactct ttagtgtcag 180
atgatgtagc tgactctgga tctacctcat gcaactcctgt aatgactata gcatca 236

<210> 11766
<211> 532
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11766

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ctaaggggta tgcttcttca aaccttctag tttatttgaa agtncgacac aatgcttatg 120
acgggagtat cttgttaatt caacattctg gcaaagaact atttgntaag cattcatttg 180
taggtggtgg agctcttggc attcttgtaa ctacaatcaa cgggagtatt ctattaaatt 240
gaaaatctgc tgataattga caagttctga aacggatact tcaactggta aatatctggc 300
cacccttag agtggccccc tccaacatgg accaaattaa tctgttaatt cgaaatactg 360
gctttcttca atgggtgggta gtaggggtgtg ttgctgcctt tatgatagag gcgtctatta 420
ctacgtcact attacccttg gccgcttcct ccagggaagg gagcggtagc gtcacccttg 480
gttgttatca tcacacatcc taatgcttca agagaactaa tccctgtact cc 532

<210> 11767
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 11767

agcanactta nttattgttt gctggcgaac gggacggaac gggcatgatt cacattctcc 60
 cccattctta tgatgacgat cattatcaag tgaattcggt cctacgtcat caaacctac 120
 atgtgtcaca ttctgcccct gcttgatgat ggcaaccatc tgtaagtcag gagtaaagaa 180
 aatatctatc tgatgagctc attgcccctg gacttcggga tgattgctta tgtgagacag 240
 tggaagatag catatatttc atatataaga cggagggcat aaaccctcac aaggaaatct 300
 gtgactatc 309

<210> 11768
 <211> 266
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11768

aaattaaaac ctatTTTTca agcaaaaatt ttgtttccat ctcaagacca tttgaactat 60
 tacatattga tntgtttgct tcaactagaa caacctttat cactagaagg acataacgtc 120
 tagtagttgt ggacaactac tcaagatgga cataggttat ggtccttgct caaagaatga 180
 gtcctttgaa gtcttcttta aattctgtaa aaaggattct atatgaaaaa ggagtatgca 240
 ttacttcaat cagaagtgat catagt 266

<210> 11769
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11769

agctagattc cgtgtgtctt ctccactatt ctaatgacaa tgaaagatgg ccaaattgag 60
 cataaggatg cacaagctaa agttgagtat gtgaaaagat tgcattgagca agtgaaggct 120
 cacattgcag agaacaatga tagctatgcc aagcaagcca acaagaacaa gaagaaagtg 180
 gtacttgaac caagtgattg gggttgaggta cacatgaaga aggagacgtt ctctaaacaa 240
 aggaagtcca aacttcaacc tacaagagat ggacttttcc aagtactagt gaggatcaat 300
 gacaatgctt acaagaacga tattcaaggt gagtatggag gtgatttctt caattaatgt 360

tgctgacttg agtccattct ntgcaggtgg tgattctgaa gat

403

<210> 11770
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11770

aaaggatgga aaacgaagaa aagtgaagtt gaggcactgc cgaatcgcac ctgaggatca 60
ttccctacat cacttctctt gctagccttg taccctatgc aacaaccagt tagttcttct 120
tcctttcttt tctttcttaa tagtcgaatg taatccatgt acccttatgg gtctctcttg 180
atattatgta tgtattcacc ttctcccctt tatcgttggg aatttcattt tatttgtaag 240
gtttaattct agccgaccac cagtgtcgtg aaatcgtttc ttttcttttg gagactagaa 300
ctagtaacaa anaaaatgaa tcaattcata cctaactctc ttatca 346

<210> 11771
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11771

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ttggatcaaa tggagaatag agatcataat gaagacaaaa ggaggacaag agggaatgat 120
gggtttctta gacaaaaccg aattgatggg attaaactca acattcctcc atttaaagga 180
aagaatgatc cggaggccta cttggagtgg gagatgaaaa tagagcatgt tttctcatgc 240
cacatctatg atgaggacca caaggtgaag cttgccgcca cggagttttc cgactatgct 300
cttgtgtggg ggaacaagct acaaaatgag aga 333

<210> 11772
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11772

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 aagtttttta cgcgtcacia tcaaacgggg atttgacacg gaactcctcc aatcaaacgg 120
 cttacgttga tcaatgttga tcagccatga tttcgaacct caaattgaca aagatctctc 180
 gaaatcaatg gtatactttt ctcgatgttg attagtgcac atatattaga cctggaattg 240
 acatgaactt cacaaatcaa acgcatactt tactcaatgt tgacacccat attatcgaac 300
 cacaaatgat aagaagcttc agaattctatg cataatttac tcaatgcgat acgtcaaata 360
 atgaacctga atgaccgaac tn 382

<210> 11773
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11773

agaatttatt tcttttgcac ttgcaaata atcaagctcc ggcgatgcga tctatgatcg 60
 cctgctgcat gcagcttgat ggtaagaca gagcgaacca cgtgcgcgtg tcgcaaccgc 120
 agaccgggcc ctatgaaaca gcccgccgac caagacacgn gaacgacaac acgccggggc 180
 gcctnccacc atgccaaacg tgacaaatcc attgacctac ccatgcatag atcgagttgg 240
 aaaatgatgt cgcagtaata ctgcgccaat cagacatgta tcttccgact gaatgatctg 300
 acatcacgat tcaactggagc gcgcatgtgg tcacacaaat caaaagttga ggtacttgcg 360
 atatacggag gatgtaccog gcttaccgat gggtgaaaat cttatcacgg cttacaagta 420
 actatgtgcg cagaaacatc tctggaacag gtccttggag agaatacataa ctactt 476

<210> 11774
 <211> 281
 <212> DNA
 <213> Glycine max
 <400> 11774

cttgagaagc tagagctaag ctacacaccc cccttatgat ctaagcttac ttccttgaga 60
 agctggccttg agaaacatcc tagagaagct ttcttgagaa gcttcttgag aagattctta 120
 gagaagctac aacttatcta cacaccctc taatagctaa tctcacctcc ttgagatgag 180
 aaactagaac ttagctacac acacccctg atataggtag gttcaccccc atgccaaagt 240

acatgaatat acaaaaaata agttcttact gcacagacta c

281

<210> 11775
<211> 310
<212> DNA
<213> Glycine max

<400> 11775

agctttggtt gatttttcta agctccatt gtgcaggta atgtacttcc tacaggtaac 60
tgcactcccc ctttaattctt tggctctcca ttgatgtgtt ttaatgcctt aggtgttcaa 120
tttttgccaa tttcatgaga caatgtatgc ttgaatttat gcttgattgt ctgaatatga 180
aggttgcgcg ggatggcctt aagcctaata tgggttctga aatgggtggg cacatcacat 240
taccctcatc acctttattt cctcatacct aatgtgogcc caccaagtgc tcggagaaat 300
gcctcaatgg 310

<210> 11776
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11776

cgctatgctg canacattta caatagacct cctcaacctc agttgcaata tcaatcacag 60
cagaacaatn atgacctctc cagcaacaga taccaatccc gatggaggaa tcaccctaata 120
ctcagatggt ctagnctca acaacaacaa caacagcctg ctcttctctt ccaaaatgct 180
gctggcccaa gcagaccata cattcgttca ccaatccaac aacagcaaca gcccagaaa 240
caacannaca gtaaagctcc tccgtaacct tccctcgaag aacttttgan gcaaatgact 300
atgcanaaca tgcagnttca aaaagagacc agagcctcca ttcagagctt naactaatag 360
atgggggaca ttgctacaca gttaaata 389

<210> 11777
<211> 418
<212> DNA
<213> Glycine max

<400> 11777

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tacttgatg agtgtacatg tcatcatggt aatgttcata agattgttaa aacaagtatt 120
tcttatacag gcaactgcaa gtattcaacc acaactatgg caaccttcta gtggaatact 180
gatgactaat gatataagt atactaacc agaagatgct gtgtcatgtg ttgactgtc 240
aaagaatgat tcatatgtta tgtctgcttc aggggggaaaa atctctctat tcaatatgat 300
gacatttaag gtatgtggct ttcattctgg atgttcttat attctaataa tgtaagacat 360
tattacgtag gtcatgtagc taattcttta tatagaaaga atctatgtac tggttatt 418

<210> 11778
<211> 440
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11778

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ccaactcatc tgacatcatt ttccaataat ggtcgattgg aatgtccatt tgtttttgta 120
ccctggctga ttgcaaagt atttcgaccg gaagtacagc atcatgccca taagtcagtc 180
gaaatggggt agtattagtt gattccttan gagaatttct acatgcccat agaacttgat 240
ctaacgtntt attccaattt cttggctttt gggcaatgtg ttctttaatc aagttaatta 300
caatcttatt ggctgcttca acttgaccat ttgcttgccg gtaatatggt gttgaggtta 360
ataatcgaaa gccaatattt tgggcaaatt cttgcatttt tcttccaata aaaactgaac 420
cttgatcagt ggtaattggt 440

<210> 11779
<211> 419
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11779

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tgatgacatt ctggaatctc ttaagacttt gtctgttgag gagcagagga agagtctga 120
acaggccacc atgatggaga tagatggtaa gccaatgcct aaagtagttg tgcttgaatt 180

tttactacct cactctacaa ttgaggtaaa aagagttgag cttgatgaac ttaaaaaggat 240
 atagtctaca acagagcatg gacctacact tatgtctctg tatgttgcta aaagataagt 300
 agagtttcaa actggcattg ttactgaaga tatggagctt gaggatattc caagttatga 360
 agaggctatg ctntaatttg acattgaagc atctctcaat gttcacggcg atgatatgg 419

<210> 11780
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 11780

aatgaatata agacacatct tcttcaatct tgggtattct tgactccatc taatggaagt 60
 gcatgtccac ttgtaattcc aaagtgtcaa acctttcacc aacaaagggt tgaagaccat 120
 cacacctgtc caaaatcttt gaaagaagag atgaatcttc tccatcatgt ccttcttcac 180
 caatatgtcg agcacccttt ttcaaccaag agccatcatg ctctttttga taaccaaagg 240
 atgcaatgac tgaagcgcct ataaggaaa atctcttgag tggaacatat gggttcagaat 300
 caagagggat gttaaagtgt tgaaggaaaa gaggtagtag atgaggatat ggcaaaggag 360
 cattcaatcg caatgcctta tgctgcgat atctaacaag aagtgcccaa tcaatttgta 420
 gacctttatg 430

<210> 11781
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11781

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 accggtgctc tgcaagttat ttctcttttc tgtcgagggc cggactcgcg tggcactgca 120
 gaacgcgatc accacgaatg tagatgaaag acaaagacat ttctctctgg aacatgacat 180
 tgcattggacc acagataaga gaatactagt agcactattg acttgtaccg atcgagttag 240
 cactcacatt attaattctg gaggacattc ggcatgaatt atcaatcacc actgcaaatt 300
 cctcgtacac ttctgataag agtgtctaca taggaataac gagcgagtgc gtgcatatat 360
 agattgagat taaattaaag ctgaaaaaaaa aacatattct attaaaacaa ttcatatcta 420

tgtgcatagt aatacttctt ctcaattaga tagatatcta taaca

465

<210> 11782

<211> 341

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11782

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tatctataag attgatgatg ggtagcactt catcaagtga cacctctatt cttacacacg 120

aggaagttca cagtccaagt aaccatttgg tattcccaat gagaataagt tgaaaatc 180

agcatccaat gtagagagct catctgaaga actccggaaa tcttccatgg gtgcaagagc 240

tacaagatct gcaagagtat gaagttcact aggtgctttc agagacaatg gttaaattan 300

ggattntaac ttctgtattt caattntggg ttctatatca c 341

<210> 11783

<211> 160

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11783

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tgcgcttata tattgtaatt cttagcgtagc agactaactc ttaaattgtac acaacaccaa 120

cataaaagat atctcccaac aatgacgtcc attgcttacn 160

<210> 11784

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11784

ttattctnct ttaacatang gaancnncga tnaagtncaa gaagacttat gttaactact 60

agtataatgt agcacatgat caaataatta attagcggca tatataatta atatgcacgc 120

tgctgccttc atcaatttaa cagcaaaaaca ttatttagag gttaccggtg tggcagtttc 180

ttaataaagt gtatatttac aacatgcaaa tcaaacatgt atattttcaa tgtacgtggc 240
 atttaaaatg caatagaatc cattcaagaa aggtacaata gcagagaagt gaaatagcta 300
 tatatcttta gatccaaatt caagaatgtg atatctgtac tcgggtcatg tgtaagagaa 360
 aaatccagaa gcgactccag tcagattccc aagaacacca cgtgggtgcct ccatatt 417

<210> 11785
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11785

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 atgaagtaca aaacacgttt cattgatctg agaagaagta atgttcaaag ggaacagcag 120
 agccaataga gtttgctttt cttcattggt atgctgcaac ttgcaatgta atgcactcct 180
 tagtaaaact agtgtgttaa catttgtcaa tagttcatca taatcataac aatggagcta 240
 aaaaatgaga agctagtctg gtaaattcac tgccatgtat agtcccttta tatttttctt 300
 catctttttc attcagttta ttccgatcac aattttactc agatntggaa atgggtntga 360
 aaactcacag gttctccaat gatgganaac acactcttga acctctttgg gagaagatag 420
 acgctcacia acaccatgag 440

<210> 11786
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11786

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 tgtgtattgc tagggactac cttgaacctg atagccagcc tttttcctaa tacatgatca 120
 agagttntag gtatatctgt tggatcaaag actccttcct atgtaattgc gaatatgaca 180
 ccattaacat agcactacaa ttatgtgtac cacaggaata ttctcacatt atggcaaata 240
 taatatgctt cacctcatca ataattctct atttaatatc aattgcagtc tcatctatca 300
 aagcataaca ttcccaatcc caaagtataa aaatggcaga ttcacgtggc tgagtcactc 360

tgacatctac acganaccta tgacaaaatn tctttttatta acaactatac acaatga 417

<210> 11787

<211> 255

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11787

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acanacacac tantggacac taattaatgt caaaatattt tgtttgatgc tgcttaatta 120

caatgtnttg caactnttca cgtgcccctg ctgagatgga agagataccc attggttgca 180

gcaatgtgca tggtttctac atgggcattt gcattgcaa tttcattttt tcatcacatg 240

cangttctat tctat 255

<210> 11788

<211> 406

<212> DNA

<213> Glycine max

<400> 11788

agctttcttg aaattcaaat ggtctaaact tttaacacgg aggtccgatt cgggcgcata 60

atztatcgag aactcgaaa ttgaacaatg caagctctcg agaaattcaa atgggtcataa 120

cttttcaatc ggaagtccga ttcaggcgca taatatatcg agacactcga aattgaacaa 180

cggaagctct cgagaatttc aaatggatc aacttttcac tcggaggtcc gattcaggcg 240

cataatatat cgagacgctc gaaattgaac aactcaagct ctcgagaaat tcaaatggtc 300

ataacttttc acacggagggt cagattcaag cgcataatat atcgagacac tcgaaattga 360

acaatgcgag ctctcgagag attcacatgg tcataacggt tcaatc 406

<210> 11789

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11789

gcctgttttag tcttattntc tggacacaag anacncaccg ggtccaagtg actggaagat 60

aagactncaa cttggttgct tttattgcca tcctaaccgg cggcggggttc tattaatttc 120
 tggggaagtc tgtcattgca tgcacattct ggtttcgcag gactgaacat ttggcttctt 180
 cctcctaatag aagagcatta tgctatcagc cattggacga ttctgcgcgc tgcgctggg 240
 ttctgtcaa tgagcatgct tggagatgca tctctgcttg ccacctcttt gcttgtgtga 300
 gatcttggtc tcgtttttga gatacagcgc acttgttttt cttggtcatt tttgatagct 360
 ccgatgtggc gtctaagctg aggtgatatg aaatgacatc tgctcttgag ttgaaatgtg 420
 gttttgtctt atgccggaat atcatgcg 448

<210> 11790
 <211> 131
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11790

agaaaaaaaa aaggaaaaaa agaaaagaag ggaaggaaaag aaaaaaagaa agagaaaaag 60
 gaaaagggaa aaaagaaaaag agagaagaag agaagaaaag ganagaaaga agggagaaaa 120
 gaaaaaagaa a 131

<210> 11791
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 11791

agcttgccctt gttatgagtc cacggacgaa atgcttacca cctcaaaaga ctggaaagcg 60
 gtttctaatag actcctctgc ggccctccaca taaggcatag aggatgggca gctcaccaag 120
 atgtcttcct cgctgatac gatgaccaga tgcccttcca ctatgaattt caacttttgg 180
 tggagtgtag agggaacaac tccattgag tggatccatg gccgccccaa cagacagctg 240
 tagggggggg ttaatatcca ttatttggaa ggtaacttga caggtgtgag ggcctatctg 300
 taccaggaga tcgatctgcc cctaaccctc tcggcgggtg ccgtctaacg cacgaaccac 360
 cattgaact 369

<210> 11792
 <211> 249

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11792

aaccaaaggg aattatcttc aaatggatct aaaggagctt attgaacttc ttaatcatca 60
gaaagaagaa aaatatgatac ttggagaga tccgttcaaa gcacacanag attatgaaga 120
cctcaatatg agtaaacata atctttgtgg aagggtgaaga acataagaaa tatgtgagtt 180
tcttgaataa tgagcttctg aagtatcaag aacttaaggg tcaacctcaa gatgttgatan 240
aacttcatg 249

<210> 11793
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11793

tgggtcaggg gctggagaac accgcctata ttgatctttt caccncatt tggagttggt 60
ttctcattac cttccgaaat gtcacaagac ttacagatac gcgcgacaat aggctactag 120
tagctctaca tgtctggggc aaatgcgcat gccgacacac aattatccct ggatgacata 180
cggcatgata gttgcccctc tctacgatac ttttattgga gataaaaggg aagtaaagat 240
acgacactaa tttcgtttga gccgaatttc caccgcaccg accattagct caatcagcga 300
aacctgttaa aagaaagagc atcaatgaca 330

<210> 11794
<211> 303
<212> DNA
<213> Glycine max

<400> 11794

cctgectccc ctaatcttct cacagccaag tggagccctt cttcaagcac aactttgtag 60
acaatgcctt atttactctt ttccaagaac ataagctgaa gccttaagaa gtcacatcaa 120
atcgaaggcc acttgagcat ctaatgggac aagatcatat tgttcatcat gatcggatag 180
gggtctcagat tcctccttcc tgaagcataa gcactccttc ctcaatctcc ttcccttgtc 240
aaaaccctt tccttctgat cctgagtaaa acccgcaacc cttgagtagc agtaagagaa 300

cag

303

<210> 11795
<211> 152
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11795

aacaatgcat atccaataat caagcctgac agtcatcaa ctaaagcata gcgttcacac 60
gcccgtatat aaaaataggg caaaaccgac cggataatgc acgctaccga cataaaaacg 120
gaactcgtca taccaccaa cagagagaa cn 152

<210> 11796
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11796

atcttgctct aanattacat tgatgnttga tttatgggga gggaggtata tgccattttt 60
tgctttaaga gtaatgtccc actaaaacta acttttcaaa tgtttgctt cgcaggaatg 120
caccgangaa gctngcctca aagaggtcca ngaaggacaa ggcgggcccga agaactagtt 180
ccgccccgga gtacgacagt caccgcttta ggagcgttgt acaccagcag cgtttcgaag 240
ccatcaaggg atggtcgttt ctccgggagc gacgcgtncg gctcanggac gacgagtata 300
ctgatttcca ggaggaaata nggcgccggc ggtgggcacc actggttact cccatggcca 360
agtttgatc 369

<210> 11797
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11797

tncttcacgt tttcctctat acctaaaact tcaaaccttc tattctcact caattcttca 60
ccanatcacg tncccgtaag cccaatcttt cttcttttca ctctctttc actttcaacc 120

gatcaaaatc cagaaaactt catcanatgg cagaccctca aagaagagaa aggatcantc 180
 tcaccgctac cgctgctgcc catcgccgtc acggcccatt ccgagcaccc acagcaccta 240
 ttccctccttc tttgtcatct ccaagatcat caacactggt ttcatccgat gatcaacgtc 300
 tacggtacct ttctcagttt tcttctagaa taatcttaga ccctaaatac ctagacgtag 360
 agtctttaat gat 373

<210> 11798
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11798

agcttgatcc tgactcgtn acgtatagga ctgcgagtct gtgccttggt gaccttgagg 60
 aaattaaaga ggcattgtgca tgcataata ngatcattga gatgtcttgc attccttcag 120
 ttgcagctta tagtagcctc actaaagggc tttgccaaat tggagagatt gacgaagcca 180
 tgttgcttgt tcgcgattgc ttgggcaatg ttagtgatgg accattggag ttaagtata 240
 gtcttaccat cattcatgca tgtaaataca atgttgctga gaagggtgatt gatgtattaa 300
 atgagatgat agaacaagggt tgctctctag ataatgtcac ttattgggtca atcatctctg 360
 gcatgtgtaa gcatggaaca a 381

<210> 11799
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11799

gctctctttg atctcagcgg actaagtcaa tctttttcta tccactaacc atcattaaac 60
 agagacatgt cttctacata ttatgattca ttgtatctgt tcacctaccc gtgagagggc 120
 agcaagggttg gtaacaaatt tattaatttg atgttgatt tgcacttata ttatttggtt 180
 aagctcactg aattacgtgt gcttatattg aaattgaacc aagactcctc gtttatttat 240
 gtgaaagatg tcacactggg aagaattgtg catgtggaat caattatgaa ggaactcacg 300
 aagctnttat ggttactgct ctatcacaat aaacaatggt agctatctta tggcgtgcta 360

gattgcttgc ttatcatttg attatgacct gtccagtttg gtccggatca atagcccaag 420
tgtactgtgc 430

<210> 11800
<211> 412
<212> DNA
<213> Glycine max

<400> 11800

agctttgtta aatgttttgt atacaaaagt tagtcgtatg aagcgactaa cacacctcat 60
gcattatagc ctgagaacca acgacatgca gtgtaaaciaa tggagaatct tcctaagata 120
tctagacaaa gtgatgttgt gaaactcaga gctgacaata ataggcaatg catgtctttt 180
aaggtttagg aaggctatgt aaacgaggga gactatgccc aaattttcct acaattttta 240
gacaaatgta tgttgtgaaa ctagaagtag aacataatag gtaatgcatg tcttttaatt 300
ctagtgagag catatgctat cgcctctagt gttttggaaa atctaaccat cttattcttg 360
tgaaacttgt cttaaattga atttgacaca aaatgacaca cctttgacgt tg 412

<210> 11801
<211> 260
<212> DNA
<213> Glycine max

<400> 11801

tgccaccac tgcaggcga gcaggtgctt cttttaacta cacctctgga gaattttgga 60
ggccaatgga cctgttgtat tgccccatt tactaataca cctgtctttt tgtgatcttt 120
ttcgaagtac gaacttacat tcgaacatac tgttctttcg aatgttagga cctgcaatac 180
ataatctcat ttttgactac gaatgacgga cctcctatat gcacgatgct tcattgattc 240
cgggtgtacga ccttacgatg 260

<210> 11802
<211> 64
<212> DNA
<213> Glycine max

<400> 11802

gcaagtatca tcagatgact aggctacatt agatgattat aacttattca agcttatcaa 60

catg

64

<210> 11803
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11803

agcagcgtta natttatatt aaaagctcca agagcttggg attaaaggct aagctcattc 60
ttacttcata atggatgcac cacaggaata atggacacca cactatttat aaaggcttac 120
ataggaaatc tgttgattgc tcaagatcta tgtagatgac ataatgtctg gtgcgaccac 180
agaactgatg tgcaccgaga tntctgcact aatcaaagggt gaatctgaga tgagtatgat 240
gggtgagcta aaattcttgc taggtcttcc aaacattcaa aaagatgatg ggatattcct 300
ccatcaatag aacacataaa acctatataa naggcttaga atggatgaag ctagacctat 360
ggctaccctt atgcaccact tcacaatcat tga 393

<210> 11804
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11804

ntgcggattt ggtcttcgcc gggtaaagga tcatatcggg tttgaaaaga ggcaaattta 60
tcattctgct tagacgaaaa tgacaaaact gggggcataa ggatgaaggg tgaggaatga 120
taggagaana ccccatcgcc ctgcgacttt gtcgtgtcct tanataggan nnatccctac 180
cagctcaaca aaacatcatt tacttcagcc aatagtcgaa acctttctca tttccccacc 240
acccaaatta tccataaagg ccatacctat atcaaccaca nagcctgtct accacacaac 300
caatgctana caccaccttt agcacgaacc anaacaccaa ccataaagga atttgcagca 360
aaagcctgta tattccccca natccgggtg atatgctaac tgctctatat tattcatatt 420
catggagcct aaccctgcta gttctaactn 450

<210> 11805
<211> 401
<212> DNA

<213> Glycine max

<400> 11805

tcatgtcttt attttcaatt acgagcgtct cgatatatta cgggactcaa tcggacaacc 60
gagtaaaaag ttattgtcgt ttgaatttgc ttactgctgc tgaattcaat tacgagcgtc 120
tcgatatact acgggacaca atcggacacc cgagtaagaa gctattgccg tttgaatatg 180
ctcagagctg ctatttttaa ttacgagcgt ctcgatatat tacgggactc aatcggacat 240
ccgagtaata agctattgtc gtttgaatct gctcagtgt tctgtgctca atttcgagcg 300
tctagacata ctactggaca caatcggaca cccgagtcaa aagttattgt cgtttgaata 360
cgctcagagc ttctattttc aattacgagc gtctcgatat a 401

<210> 11806

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11806

gtgagaaana tcaaacgaca ataaatattt actcggatgt tcgattgagt cccgtaatat 60
atggagacgc tcgtaattga aaacaaaagc tctgagcaaa ttcaaacgac aataactttt 120
gactcgggtg tccgattgtg tctcgtagta tatcgacacg ctcgtaattg aaaagggag 180
ctctaagaaa aatcaaacga caataacttt taactcgggt gtccgattgt gtctcgtagt 240
atatcgagac gctcgaaatt gaaaattgaa gctctgagaa aaatcaaacg acaataactt 300
tttactcgaa tgtccgattg agtcccataa tatatcgaga cgctcgtaat tgaaacagaa 360
gctctgagca aattcaaacg acaataactn tntactcggg tgtccgattg agtctcttag 420
tatatcgaga 430

<210> 11807

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11807

agctntgttt agtttgaata taaaagctcc aagagcttgg tattaaaggc taagctcatt 60

cttagttcat aatggattca ccagaggaat aatggacacc acactattta gaaaggctaa 120
gataggaaat ctgttgattg ctcaaata ttagatgac ataattcttg gtgcaaccac 180
agaaaggatg tgcaaggagt ttctgagct aatgaaagg gaatttgaga tgagtatgat 240
gggtgagcta aaattcttcc taggtcttca aaacattcaa aaagatgatg ggatattcat 300
ccatcaagag aacacaaaaan acctatttaa aagggtttaga atggatgaag ctagacctat 360
ggctaccctt atgcaccctt ccacaatcat tgataaggat tagaaaggta ataaactc 418

<210> 11808
<211> 133
<212> DNA
<213> Glycine max

<400> 11808

cactatgata ggtatgcttt gaggtaaaaa ttctctcaag aactttctat aaggatatgg 60
agagcattta tgtctagcat aagatcctag aaaagatctc aacatttagc ttgctcagaa 120
tctatatcac aag 133

<210> 11809
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11809

agnctatgtt tatttatata ttctctaat caatcatgct cttgtgttct atgttgtaac 60
ctaaattact aaacctcgat ccctcgtcag accgaatcaa tccaagcttt gtccttagat 120
ccctcttggt ggactaagcc caattgagat ccctcttagg tatagacaaa ctttaactga 180
gtttcatctg cagatccctc ttgtaagact agactcagct caagcagctt acgaaagttt 240
agcctaattt accctaagct tcattcgag atccctcttg taagactaga cctagactaa 300
acaacattat tgtgacaaca taattaatac caaaacttaa tccgcagatc cttcttgtaa 360
gattaagttt cgatcctgct tcaatcaagt tctaatacaa cagtacattt cccaatgc 418

<210> 11810
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 11810

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ccctatgtat cctaagaact acacaataac tcacccacca caattagtag accattaacc   60
aaaatttatt aattatgcca tcacccaggg aatgaaaaaa aacttattgc taagtgaact  120
tgaattgggc aaccaagggt ccccccaac aaccacaag tcagccacca tntgggtctcc  180
caaaagctga tgcctaagtt gccaatgggc ccttattcaa cttgaactaa cctactaagc  240
tcttttagttg ataacccaaa catattctgg tcgccaaactt ttaaggattg ngccttattt  300
aacagctaan cactcaaaat tggacaaaagt ggtgccattt tcctcctcca tttggccatg  360
tacaactcac aacttggact tttccatgaa cttggcttga tcaatatatg acagacttgt  420
gaaactcctg gttt                                     434
```

<210> 11811
 <211> 264
 <212> DNA
 <213> Glycine max

<400> 11811

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gcaagattag tgttcatggt tcagccacaa aagtggccaa gagtgggtgca cagctttctc   60
tatagcacat atagccgcca tgacttctgc aacaatagca ttgtgtaaac ttgaaatcac  120
agatcaacaa agaagccacc ataaccagca agaccaggggt ttcgcttacg atagaactga  180
caaatcatca tatgctaata aaaagtattt aataaaatca tgagtggaaa cagctaaaga  240
atatataatt acatacataa acat                                     264
```

<210> 11812
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11812

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taaatcccgg ataaggggggt ccaaccaaac acctggccaa cccctcattg cacctgcacc   60
atactcacct tcacatgttg ataaaccac tatggattgc ttcttagaac tccacgatat  120
tggtgttgca ccatacatga atatgtaacc tatagtactc tntatgtcan ttttgtctca  180
tccccaatcc gcatcagtat atcccactaa ttcttctaag ttactgttgt ctatatttgg  240
```

aaatagatat ccagtattga tggtcctttt tatgaacctt agaatcctct tagcagctag 300
gagatgagga attctgggtc ttttcgtata tctacttacc agtccaatag caanatccaa 360
atcaggtctt gaatgacaca agtacctgag agaaccaaca 400

<210> 11813
<211> 377
<212> DNA
<213> Glycine max

<400> 11813

agcttggtttt gggtataatt gagcaacaca cagtcactta ataagcataa aaaaaactat 60
aagtataaaa taaagtagat gtaccctagt ggatgtaccc tccactagaa ctgatccaaa 120
agagatgtac cctctcttgt tctcagtcaa acccaagtag atgtaccctc tacttgtagc 180
acaaaggatg taccctccaa tgtgttaaga caaagatctc aggcgattaa acctttgaaa 240
ctttgtgaat ggggatacaa aagaattctc aggcgggttac tcctttgaaa tcttttgtat 300
aatggaaagg gaagaatcaa aagaattctc agactgtgta gctgtgaatt ctctgacaag 360
ggagaacgga gacacaa 377

<210> 11814
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11814

aagtcagtag ccagattgaa tgctcgacat gatnttggtt cgaacaaacc agaattgtac 60
ataattgatg tgtatgaaga tgtgtaaaag gcatacatTT gcttttcctt gtaagtcag 120
gcacaagcta tgagactatg tgcacgtatg ccacttgat ctgttcataa gctctgttcg 180
ttggttatTT ctactctgac ctttagtgac atgttcaaac tntcatcgga ttgtgcgggt 240
acaaattttg ttgctagtag tagtcgatat ggcaccctg aggac 285

<210> 11815
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 11815

```

taaccttctt tataaacggg acattggtgc acaatacaca atgtccggta caccacaacc   60
aatggtgta tcacaaaggc acaatagaac tttaatggat atgattagga gtatgttaat  120
caattagact gtatccgtat ctttgtggat gtatgccttg aaaactgtca tgtatttggt  180
gaatagggtt cctagtaagg cagttccaaa gacatctttt gaactgtgga caaataggac  240
acctagtata aggcacttgc atgtttgggg ttgtcaggca caaataaaga ttataatcc   300
gcaagaaaga aaattggatg caagaacaat cagtggatat ttcattgggt atcaagaaaa  360
gtcaaaggag tatatngttt attgtcctaa ccatagtatg agaatcgtca aaact      415
  
```

<210> 11816
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11816

```

cagtccttta ggcacttctc tctctttcga atttgcttac aaaaattggt tccgtgaaga   60
aatccaagc cgaggcgctt ccaaaaacttt ttcgtaacgt ttccgtgagg aatttcgcga  120
atgtttcgac cgttcttoga cgttcttcat tcgttcttca tcgttcttcg atcttcaacg  180
ggtaagtacc tcgaaccaag cttttcgatt cattctatgt acctttgggt gtccacattg  240
tgtgttcgag atattttatt tcgtttcagt tactctttat accccctttt gacgtgctta  300
agtcatttct cgcttaacct anaaataaaa taaatttcca ccgatacgttg a          351
  
```

<210> 11817
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 11817

```

cgaggcatgt gttgccccaa catgacggaa tcatgcttga gacccttgta tgaaggctac   60
aactctgagc ttgaatagag accatcaatg gtgagctgaa cccatggact atcgtcgctta  120
cataaactat aagacgtgct aagaggcagc ttccacatga gtattctcca ctgaaggaga  180
gagcatacca cctaaagagg gcctgggatc taaaacttag acaggattct ctcatcgctg  240
  
```

aagaagatga tgagatatac cttccgactt tgatgacact acggagatat aaccggctct 300
 gatggaggaa tccaagcttt tcgatcacc tatgcaccc gcgtgattca catgtttgga 360
 ttataaacgt tcttacgtga cacg 384

<210> 11818
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11818

gtgaattcat tctatgcacc cttaggggtc catncttggt ttgaatgtn ncttctncat 60
 ctgcgtacg tttcggatg cttttacttc atcttaaaat gagtttttga cccgattgtg 120
 taaacccgaa acctcacttg aatgaatgat aaaatgaact ccaactgac atttgtgttg 180
 taatgttctt gaatcattgt taaaataaaa tccaaccgat cattcacgtt gtaacctcga 240
 tgaatcaaaa ataagtaagt tccaaccgga aatttactct gaaagttctc ttttagatga 300
 gttgagaaat aactaagtga aactaaagct aacatcaact cac 343

<210> 11819
 <211> 237
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11819

agcttatatt atatatattgt ccattaaaa acgcattgga tattaataag tgtaacaaat 60
 attctttctt cgacaaataa aaatataccc gttaaaaata ataacatata ttatcttaca 120
 catgttcact tattcttaac agagacatca tttctgttat catccaagtt tgattaattn 180
 tttatcacta cattacgaag ttaaaaatat aatttataaa catatttcga atacata 237

<210> 11820
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11820

tttatcaagt gacaatatga aagggttttat ttaattttac tcaaatgata acgaggagat 60

ttttccctta taaaggatta caagatggca gttatcatct tctaagcaat ttccaatata 360
tctccttcta cttactcttt aattgattgg ccttttattt gggatattgg tgtatctgtg 420
gaaaagtga t 431

<210> 11823
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11823

agcttgnttt aaattgttca tcacgtcaag ttgaaatatg gaagtaacca tcttgcaaaa 60
ttggggcaaa agatgaatcg agtcacatca ctgcttcgtc tactgccaaa catatttagg 120
attatcgatg tccttggttac ttccagtttc accttgacaa agatgtcatg gaccatgttg 180
agaatctaaa ttgattcaac cccatatcct gcgtaaaaat acgcaatact tcgactgtac 240
atcattcgca tgcatacatg cttttcattg gttgcattgc tcattgcatt ctttccttga 300
aaaataaaat aacataaaat gaacttatct gagagaatag gaaacgctct acagcgccct 360
taccgaactc gtgctggagc tagagtaatg ggtgaagtgc acgagatata agagaagatg 420
aag 423

<210> 11824
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11824

gcatatgatn tatatgctcc agcttgaggg ggagtgttgg atatccttgg atataatcta 60
tatgaggtag ctttggttagt aagcttggtc agaagggcag cagtgacttg tcaactgtcac 120
tgccttcttc tctccatctt gtactctata tatatggctt ttttgaaatg aataaaagtg 180
tgagagacag gacggaattt ctcttcagt ttcaagtaat tctaatatgc gctccaatga 240
cggctttcac gggagagttg atccttgaca ggcaactatat tctactggga aagcaaatta 300
aattataaaa atatatgtat ttctcatcag tatatggaac actgcaatgt gtgaaaaatt 360
tgaacaaatt ctacactgca gtgggtgaaa attttgaaca caatctatca tctctggcta 420

tataactctc

429

<210> 11825
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11825

agcttggttat ctcatagtn gaggaacatg gagcgcttcc ttgttcttcc ttgacaccaa 60
ccaaacttaa gttccttatc tgcttcagct ntcccaaadc tcttattaac tctattccat 120
cgtcaactnt tattataaat tgtaagccta aactgtaatg tttagaactt tgcgtcctta 180
atatattata gaacatgaat tttcaggggt cactatgaac catttaattt gttgctagga 240
agaagatcaa ccaatttgct tatgtgaaat gaagtgcacg ccatgtagtg ggtatatatt 300
atttaattgt ttgaaaaat acccttttca ttccaaaatg attgatgttt taaagaaatt 360
catattgacc aatgggtttt tcaatgagat attaaaaac 399

<210> 11826
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11826

tgacagacct acaattctca caccggctga ggttattacc tctgacatg agacaatctc 60
cctcgacatg agacaatctc cttcgacact agacaacctc tttcgcccac aagccgactc 120
agagcttgag gggcttatgt actatctagg gtccacaaga tacacgtgtc atgctacgtg 180
gcactccaag acacacgtca accctccatg tcagccctag cacaagagca cgaacgtcta 240
gcccttagta gctgagctct cagtcgacag ggtatctcta atatcctatt atttgaatat 300
attggcatcc ctttatctct tggcaggtat tcaattatct aaaagttaca cattatcagt 360
aaggcacaat catctacgaa caattatctc taagctggta catgttatct gtaacattat 420
ctagaagcta tctntatcta ctgactatta t 451

<210> 11827
<211> 108
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11827

agtcttggtt cacctacata gcatacggtt tttatgggtg atcaacctan gttgtgggtg 60

caaatttgag aatctctccc ataccctaat atgaaccaag tagtaaaa 108

<210> 11828

<211> 498

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11828

cgccgctgca tgaacgatnt gcttagcann ncggcgacac ttnagaatac tcacgctggt 60

gatattntaa ctatatatgt gtgtgtcttc gttaatttct acctgttaaa aaatgtgata 120

atcccttcct catgtgtggt taatgttgga atcattgaag gaacttaacc ctgggggttg 180

tgaaccaat tgcttagtg aatactttta aaaacccttg tgatggaaga actcgagaca 240

catattttga taggatgtac attggaacaa gagttttatt ttatttgcac gacgtatcaa 300

acatgtcatt ttactttatt ttgataactt gaacagtctt tgtttaaagt cataaatatt 360

tctaaaaaat tntattttgt aacagtgaag cgaatgtgag cattaccac gtcgactgat 420

ntacgattnn tattgaataa attgatttaa ttagattccc gcattatata tgtntntttg 480

ttcatttata tgtatgtg 498

<210> 11829

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11829

atcttccttt tacacgcctt cgcctttgta gggctacacg ccctcacctt tagaagacta 60

caagtctctg ccttatgaan gctacgcacc ctgccttca gaagactaca cgtactcacc 120

ttcaaaggac tgcacgtcct cacctttata gggcggcacg ccctcacctt cggagggctg 180

cacaccctt cgcttttaga gggctacgcg tcctcacttt cagtgggctc cacatccgca 240

ccataagaga atttaaggtc ctctgccctt aatgcttaat cgagacttgt gctctcggtt 300

aatgggcccag tcgtttcctg ttatcagttc ctgngccacc ctctgatatt ggagggcgcc 360
aactatgcga gcacagccag agagggaggc tatcacgcag ctactatg 408

<210> 11830
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11830

tgctctanat tacattgatg tctgtattta tgggaggatg ttgtatgtca tttttgtttt 60
aagaatagta tcccactggg aaaactaatt ttccaaatgt tggccttcgc aggaaatggc 120
cccgaggaaa cttgcctcaa agaggccag gaaggacaag gcancagaaa gaactagtgc 180
cgctccggag tatgatagtc accgctttan gagcgcngta caccagcagc gcttcgaacc 240
atcaaggagt ggtcgtttct ccgggagcga cgcgtncagc tcanggacga cgagtatact 300
gatttccagg aggaaatann ggccgcgcgg tgggcaccac tggttactcc catggccaag 360
tttgatccag aaatagtcct tgagttntat gccaatgctt gccaacagag gaaggcgtgc 420
gtgacatg 428

<210> 11831
<211> 559
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11831

ccacgcgcac tcagaggcac cgaacacagag gaaacgggac acaacaacca caaactcaca 60
tccccacaca caggcggggg ngtgagcctt gcanccacc cgaancaact cggacccggg 120
gagcctctag aacaacctgc atgcatgcaa gctacatttg atgaancaag ccgcaccaag 180
acagggggag aatgacagag acgcagacaa aaagcccaaa gaacgatggt aagatcaaac 240
ccagaacaga accaagaacc gagagaagct cgacaccaag acgcaagaaa agacgaactc 300
aacgccaag agaagaaagc aagaagacc cacaaggga gcaccgaaaa gaatggacaa 360
aaaacaaaca cagcacaaca ctgagggtca agagaaggag cacaaaacag gcaaagagac 420
cagagggcat actctctggg aaacgacaac caagaacaca aagcgacgcc agaaaaccac 480

cgactgaaat tacaacggtc caatcgaaac caatagagtg gaaccgaaca caagaacaaa 540
ggaagcgacg accagcgcn 559

<210> 11832
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11832

acatgctttg nttgannctt tgtaggacgt acacatagaa tactaacctt ctaagcgcg 60
tctgggannn aaaaagccac gcggaaccga gttantatgt ttatcacgca cacagacca 120
nacacctggg ggtggtgtta taacaattac aaactctgca cctcaciaat gagaaagttg 180
atgagaggag gaacgccccg gcatttacgc aacgagcata atgtaaacct ttaccgatgt 240
aaaagctcta taattgggcc taagctctac agtattacct ttgtttaacg cagtaccaac 300
tcaggtagat caacgatgct acaatgctgt ttgttaagta agatgcaaca gataacacac 360
gctaaatcga atgagtgtac cccacttatt aaaatggaga tccattgaca gacctccgaa 420
ggactaaaac ctggaacacg catactcgta gactaattcg agaatccacc gtaataaagg 480
aacacagtgt gagccg 496

<210> 11833
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11833

cacgcgacaa gcagaggaag ggaaacgcac aaaccgacaa taaccaacca ggggggtgag 60
ctggaccca aanaanncg gggcccaaac ccgcgcaaca ccctttaacc ccaccacaca 120
aggggcgggg acagaccaca agacggaccg aacaacacaa aaaagcgacc caaaaaaccg 180
agagaacaga gaccaccag ggctaaaaac caaaacaccg acgggacgca aggaacaag 240
gacaacaccg accgccacgg aggaaaaaac aaagaccgca aaaaacgagg gccacgcaca 300
acaacaaaga gggacaccg ccggcaaaaa aacagaacga aacaagaaac agaagaccac 360
agcaggaacc g 371

<210> 11834
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11834

ctcagctcta acttatacag aataagctct gataccactt gtttataagt ggcctcagat 60
 atcttaagaa ggcgggggttg aattaagata ttgcaacttc atttcccaat taaaatttct 120
 atttaacttt ctattcaagt tataaattcc cttaataatg aatttcttaa atgttgattc 180
 aaatagaaca atttgaatat gaatatngac cactaatata taaaggagtt taagggaaga 240
 gacaatgcat actcagaatt atactggttc ggccacaccc ttgtgcctac gtacagtccg 300
 caagcaacta tcttgtaaatt tccttttaca agttctaaac acacaaagac aaccctctct 360
 ttgtgttaga atttttcaca g 381

<210> 11835
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11835

agctntgttt cttgaagaag ttgtcttttt acatgcccac ctctttgagt ggcatttgta 60
 ttgattgttg catcttagtc tctatctttt catttgtaga tcatgcatca tcatgtatag 120
 gcagaaagat tgtttctagt tagaaacttc ttcaatgcat aaaactcttt gttttaatcg 180
 attgcaaagt tgatagtaat caattgcaca agtgtttgta gcttgcagag agattctagt 240
 ttcagtttaa tcaattacta gttaaccata atcgattaga tagttcagtt tagactgtgt 300
 ctgggttttc atgagtctct gctttaatcg attactaggt gatcataatc gattactttg 360
 ttcttaaagg tgttcctaga agtgatcaat aacac 395

<210> 11836
 <211> 196
 <212> DNA
 <213> Glycine max

<400> 11836

cccccaacca aaaaaaaaaa aaaaaaacag accgggtacc cccccaaagg gaaaacaaaa 60
tattacaaaa ggggaaaaaac aacaaaaaca ccaccacca acacaaacc acaaaacaaa 120
aacaaccaa aaaaaaaca acacaaacca caaccaacac aacaaaaaaa cacaacaca 180
acacaccac aaccac 196

<210> 11837
<211> 607
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11837

actgcacaca ctgcganagt cacagcatat ctacgcacag agagccgaat atgagagccg 60
atatcacacg gccgtcgac aacaacaaac acatcaactc acaaccaca cgaganaggg 120
agtgantttg aagcctttgc acatccacgg cgaanacnag cncagnacc ggagcaccnc 180
nagagacgac cgcgaggcan gcaagcccca ttgtttgcca cgncncaag acaacgcccc 240
agagagatga ggggcnact gagagccaac tcctgcagcg gatacaagac catcaaccgc 300
cccctaaata aaccacgcag cataaggata acagtatgag aatgtaggac aaccggctcc 360
atggctgctg ctgcaggagc cgggcccggac gacgaacgga cgccaacgag acatgccctt 420
gttcagacg ccatcagcac gatagggacc cgaacaactg ccaacagcaa gctgacagac 480
agaaaacaac cgctcaccga gacagagacc acccaccaga cgctgaccac aataccaccg 540
ccgaccacaa ggaacaggct cagctccata taagccgcgc atagcggcaa taaacacaac 600
cgaaccg 607

<210> 11838
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11838

tgttttnttg gctagacacc nnntagaaca cggggaaggt atgaatgtca gaattttttt 60
ttcgaaccgc cggggggggtc gatgattcac cactcgtggc gatgaaacct cggaaggag 120
cgtatcggat actgcaatgt ttggcctggt atagaagaac tttggtgaac ttaactagga 180

agacgcgaag gtagctgtcg taggagaacg cttcgaacgg aaggggattg gatggaagaa 240
 gtaggggggtc gtgaacggag aaaaagtgca acggacggat agcgggttaga acgcaaatcg 300
 ggaagaaccg 310

<210> 11839
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 11839

agcttgcttt ctcatggaag ctctaataat ctcccacact ttttgggggtg ggccattctt 60
 ggatggcctt gatttttctca gggaccactt ggaccccatt tctaccaact actaaaccta 120
 agaaaactat attatctaca caaaaggtag actttctctat atttgcatag aggggtgtttt 180
 tcctaatagac tgaaagaact tgtctgagat gtctaagtgt atcatctagc ctctactat 240
 aactaaaaat atcatcaaaa taaacaacta caaatctacc tacgaaatcc cttaagacat 300
 gatgcataag cctcataaag gtgcttgatg catttagtgag cccaataggc atctctagcc 360
 attcatacaa accagacttg gtcttgaaag cacttatata ctca 404

<210> 11840
 <211> 812
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11840

agcagagagc ctgggggnnt tggantttga ntttcgacca tancggnacn ngncanncn 60
 nnnnnnnnnn ntngngngn nnnannann nnacnngnga cgcagaanna gnagnnaacc 120
 anaanancga cnagnngctn ccgcannnaa cgcancgag cacatTTTTg tggttgcnga 180
 ttttacgtcg ncgacanang cnncacagac ccgancaagg cggggaaggc gggagagctg 240
 tgtatctcga catgaanagc atcatcnacg ctacactcgc atcacacgtc gatcgggaaa 300
 atanactcga cagacgcgcc gngtgccgat cacactagaa ggcacagcgt acgcgagagt 360
 aactgngag tcgcnacagc tatacgtgat cggacggaca cgacgaggac nagacacgac 420
 gcagtgcgg gtanchacgc gacagacgaa tgcacagacg atgccgancg tacgagcaca 480

tcattccngag gtaccgacgt cgcaccgaca cgcgtgactc gactgacagc ncgcgagaca 540
tcggcgtgcg acacgcgcca ggaggaggtc gctgaccgcg agaaaggacg tgccgtngcg 600
ctaggacaga ctaggcgaca cagcgacata gactcgcag cgggtgagcg acgatacaca 660
cgcgcacgac ggagcacgcg agaggcctgc gacatcagcg gtcaacgcgc aggatcagtg 720
aggcagccaa gtcgcgcacg aatgcacgac acgcacaaac ggcgcgtacg cagagagcg 780
accgatcggc agcactgagc gtgcagagag cc 812

<210> 11841
<211> 506
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11841

cgccgccaca cgaggagaga acagggggca gaggcaaacy cgaacacaaa agcaacacac 60
caacaaacac aaaagcgaat tgaacctgta aaccacgnaa agacgnccgc gaganacaaa 120
agccccagga gcaccacgtt aggagagcgg acgaacacaaa aggggagagg gcggaaggca 180
acaccacgca aggagccacg ccaaatagcc acgaaaccag cgcacgcgaa aacacgagaa 240
caaaagacaa gactccgccc acaacagggt agaagcgaac aagaacacgg gaaccgagca 300
cgcgggagaac aaatcaaaga caccgagcct gacgcgaatc caagcgcgga gaagaacaca 360
ccaagcaaaa aaaagaaaag caaacaccac ccagaacaac gaacaaccaa agaagggcaa 420
aacaaccacc ccgaggcaac gacagaaaaa actgccaacac ggcgagaaaa accaaacaaa 480
gcacgaaaag accgaggcca caagcn 506

<210> 11842
<211> 494
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11842

gggggtctta atgancctct cgtattacgt ccancctaga atactcaagc tntataagcg 60
cgggtctggg agacaaaggc caagtggcgc cgttatgcga agatgatgtt ccgagtacat 120
tggttttggg acgaccatgc cctcctgatt tccagctggg aaattggcga gtggaggaac 180

gccccggcat ttacgcaacg agcataatgt aaacctttac ggtttttaaaa gctctatagt 240
 tgggcctagg ctttagagtt tttccttttg ttaaggcttt gtgtcttttg tttttgaatt 300
 tataatacaa ggatctttct tcatctgttc ctacgtctct acccgttctc attcatttgc 360
 atgttcactt ctttttctga aacggcagat ccaatgacga gtcccccgaa ggtactaata 420
 cctgngaccc gcttatcaac ttcgagcaag aaaagaatca aacggaagat gaaggaaacg 480
 aggatgtgag actn 494

<210> 11843
 <211> 556
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11843

cgcccgacac accgncgagc acgcgtaacg tcgacgaaat cagccanaaa cgaacacaca 60
 gactacgaac ccatacacct aaanccncac aaggacagcg cgcgtgtatc cattgagaac 120
 accannanna nnaanaaaac cccgcgagac acanaagaga cccgccgagc aacacnnacg 180
 ttattatgca gacaaatcca caacaanaaa gaagaggcac cagagccaca cgagacacac 240
 gcgagcaaac gcgagcgag accgaaacac agaacaccga aacggacgag cgccagtgcg 300
 ccaacacgca cgagaacaag agcacaacga cggcaacgca caaaggtgag aaacgagcca 360
 caccacgcca aaagaaaacg ccgagaacaa gaaagcacac gcacagagaa acaccagagc 420
 agggaacaac cagacgcgcc caaacggaac agccaaaaac cgggacgaca ccagagcaag 480
 ggaagaccaa ccccggcgcg aacgaaacaa cgcccagaga cgagcacaca ccgggacgga 540
 acgccacgaa ccggcg 556

<210> 11844
 <211> 327
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11844

ggcgtgagac tacgagatga anccgaataa gcaacgcccc anaaaaaang acanacaaca 60
 ttaatgttga caaccaacaa gggggggggg aaagagaacc cccccccaa agcggggaaga 120

<210> 11847
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11847

accacccgaa cacgaaagaa cacccaaaca aaaaacgaca ccaaaacgca acaccaaaca 60
 cagggcgaac ttgaccgtga ccacaaacng accaccgggg gccaacgcaa accacgcaca 120
 aaccttattt tacacaacca aaccacggga gggaaaccaa aagacaacac acccaaaccc 180
 agcaacaac ccccaaaaaa ccacgaagca aaaaacaaaa caacgaacgn caaacacaga 240
 cgaaacgaga agcaaaaaca acgcgacaca cacagacaaa aaaacaaaca cagacagaca 300
 gaccaaagcc aacacaacca ggacacacca gacgaggnc aagaccacaa caaaaaacca 360
 cccaaccaca accgaaaacc acaaaaagga ccaaaaccag aacaacgcaa aagacaacac 420
 agagagcaca acacaaaccc caaagaaaca aaaaaaaca cacgaacgca acagaaacaa 480
 accaaagacg cc 492

<210> 11848
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11848

agttntttgc tagcctgagt cnnncnnntn ttaanaacaa cgcgcggtng acatgatgac 60
 atcacgacct ttattgtttc tcacgcccc aagagggggg ggggtgtatct ccatactccc 120
 caaccacat gcggtcgcgg agaggacca cactcactc tccgacatga gtcacaaacc 180
 gaaagcatga gacgcgacaa ccgatagct acggagagag acacctgctc aaggggtccat 240
 acggcaaggt gacgggttac gctctggcgc gggaatagag gcgtgagaac atatgcgacg 300
 tccccccga tatctattct gaagaactgg acgtacacgg acggatctca cccgtttgag 360
 agaggaccgg aaatgcccggt gcgggctaata cgtactcggc agtcgaccga ccaccacg 418

<210> 11849
 <211> 539
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11851

ccacacgcga ccaccaaaac aacaaagcca gaacagacac acaacacaga acaaaccaaa 60
ccacancncc cagggccgca gttttgacct ctgagaacac cccgaanagn naaagccccc 120
gagagcaaga aaaaaancaa cgacaacaaa aacgtttttt atcacaccac ccaccaaaaa 180
agacgggccc ggacggaaaa aaagaaacca cccacanaac caccgaccca cagaagaaga 240
acaacgcaaa aacaaaacag ccaacgaaaa cacaccaaaa cacgacaccc ccggacagca 300
aacacgcgac gaccgcacaa caggaaacca acaaccgaca aaccaccaca gcgaaaacca 360
aacgcaaagc aaacaagcng aacaccagc acacaaaaga caacaaagac gacacaaaca 420
acaaaaacaa cacgacacca aacgacaaac accacacacc cacagcaaga acaaaccaaa 480
aaacaagcca aaacgcaacc ccaagaaacc caacaacgac gacagagcac aaagaaaggc 540
aaaccaaccc caaaaccaa acg 563

<210> 11852

<211> 540

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11852

ggggcggaac gaggcgacga cgactgcann ctcnngaaat nagccaacgg cccanangan 60
aagaaananc gagcaaccac acaannatan atagttattg aacaaggaaa acacaagcgg 120
ggagggagag gagaacggaa ggaacccac caccacacac aaacgaaaga agaagaggaa 180
gagacggang cgcacganga cggcacacac gaagacacgc agggcgacaa aaagcagcaa 240
agcaggccag acacacaaag cacgnnaggc gacaccagaa aaacggacac aagcggcgaa 300
cncccagcca gaancgaaga gcgaacagca gaggcgagca aacggagaan aaaacaagaa 360
gagaacgcac aacggcagcg gaacaggacg agggccacac aacacgaagg ggnaccaga 420
aaccggaac gaaaagcagg caaagaacc gacggcgacc acgggcccga accaggacaa 480
ccggaaggcg cgcagcggga cggagcgac ggaacaaaa gcgagcaaag gaagcaaacg 540

<210> 11853

<211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11853

ccaccaaaac cgcggaaaag acaacgaaac acaacgcgaa aacaccctaa acaaaaagg 60
 gcggantgac cccgagcacc aaacanaacc caagagacga agggacaagg aaaacaactt 120
 gtgaccaaac aaaccaacgg ggggggaaag cacacaacac accacaaagg ccaagaaaaa 180
 acacgcagac aaaaaaaca aagagaaaag agagacaaga agccgagcaa ccaaaacaaa 240
 acaaccgagc aacaccaca accaacaac gcgacaacag aagaacacca caagagacaa 300
 cgaaacggaa cacaacaca agaaaaaaaa ggcaagacaa cagaacacac accaacaaca 360
 gaacacagcc gcagcaaaaa agaagagaca caacaagcaa caaaaaag 408

<210> 11854
 <211> 178
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11854

tgccttanat aggcacagaa gggacaaggc atgttatggg gttagttgcg ctccggagta 60
 tgatgagtag cggctttatt gagcgcaagt acactcatcc acagcgtttg cacttcatca 120
 ggagggtggg tccgctacta agcggagcct cagcgtacgt cctcagagga gacacgag 178

<210> 11855
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11855

agctntccgt antggtcttc gctagcgaaa tgatcgaagt gggctctgaaa agaggtatat 60
 ctgaccatcc tgctttgatg aattcgaaaa ctggggcaaaa tgaagagggt gagaatgaag 120
 gagaaacca tgctgcaatt gtcattccta tacggccaag tttccacca acccaacaat 180
 gtcattactc agccaataac aacccttctc cttaccacc acccagttat ccacaaagg 240
 catccctaaa tcaaccataa aaaccacact accacacttc caatcacgaa caccaccttt 300

agcacgaacc anaacaccaa cgaaggaagg aatTTTgcag cgaanaagcc tatagaattc 360
accctaattc tgatgtcgta tgctaacttg ctcccatatc tactcgac 408

<210> 11856
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11856

atgaagctgt ctcggtacaa acgctccctt gcattctata accgnnggat cttctcaggg 60
agtggTTTTgc agcttcagaa gacacttgTc cacgatctga ccattgagat ctttgagaag 120
atgtttggag tgtgggGgac gtttcagatc ccgagagcat tgctcacttg agcgtatcac 180
ctttgctttc atgtagctta ggaaaaatgt catttcttat cttttctttc ttccaaaacc 240
attgtcaatg ttccaagctt tgtctccatc acccatagcc accattagcc accacatacc 300
gccgttgTtc tccgttaaTt accccacacc gagagcaacc cttcaaccga agcggaatct 360
tcc 363

<210> 11857
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11857

agcttatgat tctcattcct gngaattctt ggattggatg cttaagtcca ttggcttccc 60
agcccagttc tatacttgga tcatggaatg tgtttcttcc acttcattta gtgtggcagt 120
caatggatct atttatggTc acttcaaagg gcagcggggT cttagacaag gggatcctct 180
atccccTtat ctgtttgtgc tttgtttgga gtacttttcc agagatatga gcagtctcaa 240
ggatgatgcc aattctaaat ttcatcccaa ctgtgcaggt attcagctat ctcatTTggt 300
ttttgcagat gatattatgc ttctatctag aggagatatc ctttctgtgt caactatgtc 360
tgccaagctt cagcacttct 380

<210> 11858
<211> 368

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11858

attctataga ttaaacagct aattttctcan attatatcga tcacgttgga gtgactcaat 60
agtgatact ctaattcgtc ctattataat tgcagtcgta agttattcta tgcataccaa 120
gaaaaattat atggatgaaa atgaataata attntacaaa tttaatctta tcattattaa 180
tttatgtgta attntgggtt ctcttatcat taatattata agaaatatga gtgaaaaaaaa 240
ttattacatt aaaaagctaa aatgataatt attttgaaat aaattttctt tctcacatga 300
tgcttggtat gagatggagg gagtattatt ttgtgtgcta atagtacata tcactttaat 360
ataacaca 368

<210> 11859
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11859

agcttgagta cntttgtang gctccaaggc tttccatcag ctctgataaa tctgccatat 60
actcagccgg tattaggcct catgagcttt ctcatattca acagcttact ggatttagct 120
tgggtgactt gccttgata tacttgggtg ttcccccttt atcatgtaga ttaaattgcat 180
gtcattatgc tccttgctt tccaagatta cttgcctgat tcagggatgg agcaccaagt 240
ctttatctta tgcaggtaag ttagagttga tcagagcagt tattcaagga attgtgaatt 300
tctggatgga gatttttctt ttgccgcaat ctgttctgga ccaaataaac gttttgtgcc 360
gtaatcttct gtggagcaaa gcggatattg gaaaaaaciaa gcc 403

<210> 11860
<211> 321
<212> DNA
<213> Glycine max

<400> 11860

ctatccacta tatatgagaa atacactgca gcagtaagtt gttgtgctca aaggctctgg 60
atgacacaac agctagaaga ctttgaggta atcctttatc acattccttt aatcgattac 120

catacttgct tttgtggtgt tatggcttaa ggttctctct tcattataat cgattacatg 180
 ttaggcttac agctttctct ggcattgtgt tctgttgtaa tcgatgactg cctcatttta 240
 atcaattaca tgctatgggt tatggattct tctggctatg tgttcgtatt taatcgatta 300
 caaatgcctt tacggagggg g 321

<210> 11861
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11861

agctngttca tttattatgt cttcaaaaga actaggcgat atacatgctc aagaatttca 60
 cgatgctcat gttcttttac aatcgatcct ttcgtaaaga acaacctgta tggatgcttg 120
 cacaacttat atatggccca atattagtct ttacctcatg gatttgaaca atatgagttg 180
 tctctctttt gagttgattc ttccatttgt caaatgcaaa atgataactg cagctctgat 240
 cttgtgtccc taagaagatg agcaaaaaaa aaaaaagcca tacgggctcc aattgtgtac 300
 ataatattta atcaatttga gttgataatt taatgaatgt aggattacct tctcatccat 360
 taaaagcatc tccaataaac ctctctctgg agtcttttgt atg 403

<210> 11862
 <211> 294
 <212> DNA
 <213> Glycine max
 <400> 11862

gaaccactga gacttgctac ttgagtgata tctgtagtca gatatcatct tacattataa 60
 ctatacactg agaagttaga tacacttaga tctgatctgc tttaaagtga accaaataaa 120
 aactaacttt atacagcagt atacaacata ctaagaatct ctttgtttat ttaacataag 180
 aaaagagatt acgctactac tacgtgatca tgagctctat aacggtcagt tattccagat 240
 ttggtgttta atacttcaaa ttatatagtg tgaatgtgta taatctctct ctct 294

<210> 11863
 <211> 406
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11863

agctntattc ttatgttgta ccatgttgct catgttgctc cctttatctc tagcattatc 60

tcttggcaat cttaatgcac aaatgtatat gaaagatcaa tccactacct actctcctgg 120

tctgcatatc tctagggcca ccaatgttaa gatagttgct gacaaggat atccagggtt 180

accagtctag gatactgccaaaagaaagg attctagtct tactacaacg aggagatgcc 240

ttcgaggaaa atgaaaatgg aaatagtcaa tcaccctcgg aattgggggt ccctattcag 300

tgggaaaaag gcttctctgt gctcttgatg cttatgatgt caggaccttc tggaaccaga 360

tcctatggat ggacactcag atagcctcca cttctagcta tgatgg 406

<210> 11864

<211> 494

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11864

gaacgctgtt tttttttttt ctttttttncn nnncnnttag ttaagcnnac ngccggngaa 60

caagacgggn nacactgcac cagagattca tttatttcta nccaagagcc aaagcgaggg 120

agcggaaga gagaagacgc cccacaccca caaaagaaga gngaaccaga caaaacggcg 180

agncagaacg accccacgag ggacacgaga acgaagaaca aacagagcgc cagcacagga 240

gacaacacac acacgcagga gacaaccac aacgaggggc gagaacacag acgccgcaca 300

acgaccagaa gaccaccca cggaacaac aacaggagac ccaaagaccg gaaagacacg 360

aaggcggaca ccgagccaga gagccaggc accacaagag ccaaagcggg agcaggagac 420

aaggcagaca aacgcgacgc caagcgagaa gccanaagcc aagacaggag aggcaccgac 480

cagaaagaag cgcn 494

<210> 11865

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11865

agcttactcc cactattacc cacaccaccc accaaaccta tcaatgttaa gaaaatgaca 60
 tcggcagaaa tgcagttgag aagagaaagg ggcctatgct ttacttgtga tgacaagttt 120
 tcccctagtc atcattgtcc taataagaaa tattttgttc tacagtggga agaagaggat 180
 gaacctgcat tacaaccagg tccaccagac gaggttgaga cagttggtga cccagtttg 240
 taagatcatc atttgtctta taatgcttta aaaggctcat caggtcttgg aacaatgaag 300
 tttcaaggat caataaatgg attgggagtg cagattctac tagatagtgt gagttcanat 360
 aacttcctcc agcctagact agctcaatgc ctgaagttac ctatagaa 408

<210> 11866
 <211> 309
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11866

acttgatatg gcctacccaa gcttaaaata ataataacaa tatttgcttt tattntttgt 60
 cattgttact tatttatgaa tatggtttca gtgaccatga ttgaatctac ttatgagttg 120
 ccaagtataa aattaatccc attgaatcaa ttatatatttc tggtcacctt cttctgattc 180
 ttaggagcta atgattacat tcttcagac ccacctattg tctaataaat tgaagacagg 240
 accagatat gataataaat atggattatg tgaaatgctg actcactttt ggtttacaat 300
 ccattctat 309

<210> 11867
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11867

agctnnngtan aaccaaccaa tcagaatgct agacgaaata tagatgggaa tagaggtaac 60
 aatggcggtta atgacggacc gaggcagAAC cgggttgagg gagtaaagct caatgttcct 120
 cccttcaaag gtagaagtga tccagatgcc tacctggact gggaaatgaa gactgagcac 180
 gtatttgcct gcaatgacta cactgatgcg cagaaagtca agctagcagc agctgaattc 240
 tccgactatg cccttgtttg gtggcataaa taccaaagag aaatgttgag agaggaacgg 300

cgagaggtag atacatggac tgagatgaaa agggatgatga gaaaaaggta tgtgcccact 360
agctataaca gaacatgacg acagaaactc c 391

<210> 11868
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11868

nnnctcctt ggtttagacc ttcnnaganc nnantcatan gaaaccaacc nncacagcnc 60
ttngaccttg gcttggnnag cnnncacttt tttctttatt aaanggagca angcctgggtg 120
gcgagaagat ggacatgtac ctctctcatg gatcctccat ttgagccttc caccaatttg 180
ctttcaaatg aaaccttctc caatgtgtca gccaaaggcag tgcccccgat tatgctgaag 240
ttatatacat aggtgcctc atcaattgca tcaactctgt gcagcacata ctttgttttg 300
gcacctgcat atgcacccat taattcatct aaataaaatc atgactaatt tcattaattt 360
tgactatgta ttataattaa cggttttaat aattggccgc atagtattat tgcgaaattca 420
tcaggtcggt gatattgcaa tacagtacag acaaatatga ctgatgcaat ccagagataac 480
acaccttgat gcg 493

<210> 11869
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11869

ccccacaaac caaaaaaaaa aagaaacaca tcnaccccgcc caccgaccca aaaaccggn 60
naaaaagaaa aagttgaaaa aaaaaaaggg agaaaaaccc aangagaaga aacgaaaaaa 120
agagaaagga gagagaagaa agaagaaaac caaacaccca ccacaaaaac aaacacagac 180
gaacaccaa aaagaaacca agcagaccaa caacaacaaa acacacaaca aacaaaagaa 240
ccaaacaaca caaccacac 259

<210> 11870
<211> 374

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11870

toggacattc gtgtgaaagt tatgatcatt cgaatnnttc aagagcttcc gttgntcaat 60
ttctagcgtg tcgacatatt atgcgccaga atagaacatc cgtgtganaa gttaagacca 120
tttgaatttc tcaagaactt ccgttgttca atttcgagct tcttgacata ttatgtgccc 180
gaatcggata tccgtgtgaa aagttatgac catttgaatt tcgcgagagt ttccgatggt 240
taatttcgag cgtatcgata tattataagc ctaaatacga catccgtgtg aaaagttatg 300
accatttgaa tttctcgaga actttccgtg ttcaatatca agcttctcga catattatgt 360
gcctgaatcg gaca 374

<210> 11871
<211> 399
<212> DNA
<213> Glycine max

<400> 11871

agcttgtttg tatcgaacat gcttcgggga gatgcggtga aggatgcaaa atgagccaaa 60
agatgcactg tgaaagttgc aacagacaga ggttgacga gaaactcaag atgtttgcgg 120
taagtgcgag tgtactacta ttgcacttca cttagccatg tattgagtaa ctgcgttagc 180
gagacgatcc gctgagcgag agagacattt ggctttacgc ttcctctctt ggcatgccaa 240
catgggceca tgtaagattc tttggcttac cgcgccatcc gctaagcggg agcgagagac 300
gtttggcttc tcaacatgct cgcttatcgg accgttctac cgagcccaat cccaaattat 360
gaaattctta tatatataga actgcgctta gcgcacagc 399

<210> 11872
<211> 558
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11872

nnnnccttct ancccgantt tgcnangnnn tnctnnncnn natnagaana ancaaccngn 60
gcgaccagca cccagaagcc cgatgcnang ngcaaccaat ttgtgtnttt atactatacn 120

cacaccacnc gggggagcgg ggagaatata tcgaattaat acctcctgca cccctcatc 180
 atacgcatat actattacat ctgtactaac atgacatcgc gatgtcgcat ggacatctca 240
 caatanaaca tcactctgct ctaccttgat cttcagaagt aatatcttgc aatttaacct 300
 taataactcc acctctaact gtatacatta caccgattgt caacaatgcg agaactacac 360
 aactatgcca agagagatct atattccgca tgacgcccac taccacacat gatacagtat 420
 actgttctat acgcaccatc tcttagactc tgtcaccttc acagacaact atcctccgca 480
 cttcatacta tatacaattt gatggtgaga tatctaatac aacacatttc acagcacatg 540
 aatttaatta catgaccc 558

<210> 11873
 <211> 470
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11873

gacacgccac cagaccaaga agaaaaggaa caaaagacc acccacacac aanncggggc 60
 gacctgaccc cgaaccccg aangaangnc ngggagnnag aggganngag gaaagcagag 120
 agttggaaga aaaagaagag annaaagggg gggggaaga aaaaaaana agaagaagga 180
 ggaagagaga aggggaggaa gaaaaagag aaaggaaaga aaaagaaaag ggagnagaga 240
 aggagggana gaaaggaggg caaaaagaa aaagaggaag agaagaanga aaggaagaaa 300
 aagagaagaa aggaagagag gagggggaaa gaagggaagg gaaaagaaag aggaaaggan 360
 gaaggaagga agaaaggaag gaggaagaa gaagagagga gaaganaaaa aaaagaggga 420
 aaaaggaagg ggaagagagg aggaaaanaa gaaaggaagg aagaagaaaa 470

<210> 11874
 <211> 194
 <212> DNA
 <213> Glycine max

 <400> 11874

ataagtagat gcatgtgtaa cacggggggt aactgcatg agggagagtc tcgtgagaca 60
 cagcttaaag atgagcttct ctccctatct cgtccttcag tagcgagctg caccctcttg 120

ctatctctcg ctctgtcatt tactcagatg aggcacccctc tacatgcttc ttatgcacag 180
ctcatcttgg aggt 194

<210> 11875
<211> 402
<212> DNA
<213> Glycine max

<400> 11875

agcttgatca gctctatagg aacggctttc cagggtccgg tgggtggtgcc ggtgggttta 60
ggattcgaat tcccactggg ttgagcgcg cgcagcagca gcatcctgga tctgcttcca 120
aggtgtttgg gaagggtggg aatcagagat tcagcccaa tttgaatcaa aaccctaacc 180
ctaactcttg gaagaagagg gagagagacc ccgtgggtga agtggtggct gcgattaagg 240
tattgggaga tgggtttgtg agaatggaac agatgaagat ggagatggcc agggagatcg 300
agaccatgcg gatggagatg gaaatgaagc gcactgagat gattctagaa tcgcaacagc 360
ggattgtcga ggcatttgcc aaggccgttt cggataagaa ca 402

<210> 11876
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11876

actcaagctc tgtagctnta tgttgaaagt cctcactacc aaaataggta gcatanatat 60
ttttgtcatg aagttgccat ggtgatgcat gtaatactgc tggttctggt atgaatgtcc 120
catagtactt agaaattaag tgtttcatat atatagaagc caatcaatta aacaagataa 180
aatggttctt gatccctcta ttccaattag tatcacttcc taacctcaa ccattgacgt 240
cccttgcata catgactctt tacatctgga caatcaatgc aaccagtcgc acattgctag 300
agcatgttat atatgttcat tccacggctc ctgacatgac ttgatcttat atatataaac 360
caattcaata atgaaatctg a 381

<210> 11877
<211> 396
<212> DNA
<213> Glycine max

<400> 11877

agcttgcttg aggctggggc tttttgcaac gtgtaagagt tctaattaac atttacatgt 60
aatatatgta aagaagatta aaaagacatt agacaccgtc tgtagtttga gattgacctt 120
taagatgaat ttcataactt aattaaggaa tctataacaa cttaattatg gtcttataaa 180
taaaatacaa aataagtggg tcagttcgaa ttactttgca atgctagtat ttttttaaaa 240
gcattttgct ttgctagcta gtatgaactc ttaagataat atttaatggt actcgagtta 300
atttttttgg atatgattga tttctcttac tagcattctt atttagataa acaataacat 360
agcaaattt tctttacata gcctatcaaa aaaata 396

<210> 11878

<211> 476

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11878

ngntgttatt ctccgatata agtgatagaa catgaaatca ggtttgnttt atttattctt 60
tcgttccatc ggagaaaaatc caaacaataa aaaggttcca gtccactcaa tctctattaa 120
atatctagac attgtcctac gaattgttgg ttttttttgg tatagctttc tatctaaact 180
agacgagcaa tataattgag caggtttctt taccagcatt tcttttggca ggagatagtg 240
tattctcctt gctgtttttg ttatctgatg atcaataatc taatatagtt atgaatccta 300
ataactcttt ctgaataaat gcagggatta tggctggact tgcttttgaa ggtagctgat 360
tgtttctcta aattgtttga caatgtttac caattntatg aagaacattc agtgcaccgg 420
tcacaatgac ttggcacttc tccacacttg atagttaggc tgcatttgca tcacac 476

<210> 11879

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11879

gacctcttaa gtcacctgct gcatgcaagc tntacactac caagatgatg cagatcggat 60
ggatggcagt caaattgtta gttgtagact attgtgcaaa ctagttactt gtcaaattga 120

agttataaaa aaaaggagtg ctttcaagtt tttcttacca tttgtagtgt gaaatttgaa 180
atgatcttct atatatgaat gaaggagata atagatagat ggagtggttt tctttttcgt 240
tatggctgtg ttgcttagtt tccttctttt tttcgctcgg agtgaaaaag actacatatt 300
gtacacattc tattgataac aagcatgtct ttctctactg ctatgagtgg catgccaatg 360
atcaagattt tagcaatggc tcttcttggtg cttccccaat gaattctaaa agaagaaaat 420
caccaattga atcta 435

<210> 11880
<211> 193
<212> DNA
<213> Glycine max

<400> 11880
ttacaagcca taactgacaa accatgatat caccttacc ttaaagaatg ttggagctct 60
ggaattgctt ctgaaataaa ctgggaataa gtgtgggggg tatgcttcat tggaagatat 120
gattcttggc catgcttgat gtatctgaat attgcctagc tcttgcttaa tcttcaaate 180
cttctccaaa aac 193

<210> 11881
<211> 405
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11881

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tgcacatgcc aaagttgagt atgtgaaaag attgtatgac caagtgaagg tgcgaattgc 120
aaagaagaat gaaagctatg ccaagcgagc caacaagaaa aggaaggaag tggacttga 180
acccgatgat gatcctgtac atttgatggc aaatggtgtc caagaaggaa ggaatgatga 240
gaatcctgat actggacaaa tgcaggctaa aggcccaagt ggagaagggt attggcccag 300
gtggagaaaag acgaagtccc cgagtggaga acgatgaatg cccatgtaga gaaagatgaa 360
ggcccagagg tagatgcact accaaaacta ttaattattg ctaaa 405

<210> 11882

<211> 325
 <212> DNA
 <213> Glycine max

<400> 11882

agcaccttct tcaacagatc tatgtccctc tccacaacac cattctgttg aggtgttctt 60
 ggcgttgaaa atttatggtg aattccatgt tcttcacaaa agtggtcata ggactcattc 120
 tgaaactcac ctccatgatc actgctaatt gaataaatgt agagaccttt tccattttga 180
 attaccttgg taagtgtgcg aaaaacatcc aaagcttcat ctttggttgt cagaaacaat 240
 gtccaaggta accttgagta atctccacta ttaccaagct atagtaattt ctctaacct 300
 atagctctta aaggacctat aatca 325

<210> 11883
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 11883

agcttgctta ttcattggaag ctccataat ctccataact ttttggggtg ggccattctt 60
 ggatggcctt gattttctca ggggccactt aaaaccatt tctaccaact acaaacccta 120
 agaaaaatat attatctaca caaaaggtag acttctctat atttgcatag aggggtgttt 180
 tcctaaggac tgaagaactt gcctgagatg ccctaagtga tcatctaggc tctactgta 240
 cactaaaata tcataaaaat aaacaactac aaatctacct atgaaatccc ttaagacatg 300
 atgcataagc ctcataaagg tgcttggtgc attagtgagc ccaaaaggca tctactagcca 360
 ttcatacaaa ccaaacttgg tcttgaaagc ggttttccac tcat 404

<210> 11884
 <211> 113
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11884

agctntaatt tatgtggcag gccactacat ttcatttga attntatcta tttatacctt 60
 aattggaaac caaattattt taaattaatt ttttttttaa attacattct aag 113

<210> 11885
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11885

 actcctacat gatgatgcat gatacacata tgatttatag tgactaagat gcaacanaca 60
 atacagcaat atagagagtg gngcatgtaa aagataaatc ttcttcaagc tcttcttcaa 120
 gttctaaggc taagtcttca tggtgctccc ctatccctaa cataccctat gcaatagtaa 180
 tagtagactc taaagtccan atattgaacc caaggaccag ggtatncaca gttaaaaaga 240
 aaatagatta aatcctttt 259

<210> 11886
 <211> 428
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11886

 caagcctncc atttattgca ggtagcacca gacatctcta taaagactcc ttatgaaatg 60
 cacatcacct atttttctat tctcagcatt gacttaggaa tatagtcata acctgtacaa 120
 gaacaggtat gagtgggagt agaattctgaa ccgccatcag aacatacata ttttcctcag 180
 ggcccgtgta actcgatcat agagttcggg atcactctaa tcaactcggt gatgatagtg 240
 atgcacaggt gaaaatctct gatgtcttca ttgatgctct tctattgcaa gaagaaatgg 300
 atgcaatggc aacttttagt tcgtctcagt aaaaccagtg gattcaattc agcttttctc 360
 gattattaat aatgtcttat tggcgtaatc tacttctgat aagataacag tttcatattt 420
 tgcttctg 428

<210> 11887
 <211> 504
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11887

 naaccctctg ttgngngaac gtttgangna cnnctncnca natnagtnaa gcnaccncgc 60

gctgctagca agaactntat ctctnggaag aggtttgtaa tctgtgtggn.cagccaaggc 120
 aacagtgccca attggcaaaa ctgaatgtgg ctcataccca aaaactgcat gttgggcaca 180
 ctgttggttac aatgaaagag ccacgaacaa aagatacaag taaacagtat tccaatgact 240
 tattaggcaa aattatgcag acaaattaac ttcaagactc cattcaaaat aggaaacaga 300
 ttctatgttt cttctaatat atgtttccat ttcaagagag ttcatcttat gcagggaaaa 360
 gggagctcaa acaaaccata agcacgggta ggatcaaagg ctctcatatc ctctacgtga 420
 agcgtgatcg gaaggtaatt gcaagcgtgc ttgcatatga acctgaaatg taccaaaata 480
 ccaatagtga gatttatgag accn 504

<210> 11888
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11888

agcttattaa ttgaaagttg ttctattgga agatcagata aacaaacatg caagtatcat 60
 tcctagaacc tacattctat tccattgtga ctttacatct aatctgactt tagttgtgtc 120
 caatgtgatc aacctagagc atatttgtat ttttactctt gcatgcttag ctttaaaaaac 180
 tagtgccaat tttgaatatt tttgagcaaa aacattagtt cttagtttat gcgtatttta 240
 tgtatacaat tccttctgtg tgtggcagtt gagaggggtg aacgagaagg atgatgttgt 300
 agctaaatgg aagaaagtgc anaatgatat gtgcctacat gctcattgct ttgttagtga 360
 tcccaattcc ttcttggtt tggctagtga attgagatat cacatat 407

<210> 11889
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11889

aggactcaag ggagttagtg tggagattac tctnggatgg ngatgatgct attctngnac 60
 ttgcatgaga aggacctgtt tgagaagtat ttcacacggc ttctggcaaa gcaacttttg 120
 tcccgaataa cagtctctga taatgcagaa agaagtctca tagttaagct caagacccaa 180

tgcagttatc aattcacctc taaattagag ggcatgttta cagacatgaa aacctctcta 240
gaaacattgc tgaactttta tatgccaacc accccgagtt aagcaacggc cctacgcttg 300
ccgtgcaggc tttgacaaca gggttttggc ctactcaatc tactgttaca tgtaacctgc 360
cagaagatat ctcttcactt tgtgagaaag ttcagtcata tattaccttg gcacacatac 420
tggcaggaga tngtcctgca nactaatat 449

<210> 11890
<211> 375
<212> DNA
<213> Glycine max

<400> 11890

agcttatcta cttataaatc acgtgatcat gaattccgaa atataggggg agtaaacgca 60
tgcacattgt atctatatac aattgtttgt tgcttgcttg aatcttgatt tcaggatttg 120
tattgtcatc atcaaaaaag gggagattgt agatgcaatt gcctttgacg ttttgatgat 180
gatcatgatg atgtgttgca attgatgcaa atgggccttt caagattaaa attcaagaca 240
atacttcaag attacaagtc acaacatcaa gatgattact agaattattag gaagggaatt 300
cctaattgaa ttagcaaagg ttcggccaag tgatttgaat taaaaaagtg tttcgcaaag 360
gttttactct ctggt 375

<210> 11891
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11891

agnnccctcg gggaggcctt aagnnatgca tncacactat agattactca acctngagat 60
gaagaagggc tgaaggggtga aacttcctgt tttattcggt gaccacagag tggtagctgg 120
agatatgtcg cggnggtcaa gagaccttgn ggacgtcagg tggngtgcta ttgccccaaa 180
ccaagcttga ccaatcccga cccaaccggg gcatagtcgg tcagtgagaa cttgtgatgt 240
acctaaacag acgagctcct ggagtcgaac agataaaagg acaaagacc acaaagcaag 300
gaggcttggt gtggctggcc agctgcgaat attgtgtgat atatgggttg tggcctctgg 360
taatcgatta ccaaggggtg gtaatcgatt acaaggctta aaaatgaaaa caggaggcta 420

agatggtctc tggtaatcga ttaccaacgg gtgtaatcaa taacacagct tgtaacgatg 480
acacgacacc acc 493

<210> 11892
<211> 575
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11892

caccacccgc gccttacgag cgcacacgag gagacangcg aagtcgccga caccgccaac 60
acagacacac caactcanna cnaannaaaa annnggcgga gacgagccct cgaacaccca 120
cnnnttngaa aannnccnng gggnnnnannn nngggnnnnnn ngnnnnnnnnn nnttttggtg 180
ngggagaagc gaaaaaagng gaagggggag gaagagagag anagagcgaa ggaaccaaag 240
ggaggaagag ngaagggaaa gagcgaagag gaaagagaga ggagagaaga agagaaaaaa 300
caaacggagc aggcaaacgc cgaaccgaca gacacaccca cgacggcaac caccgcgcaa 360
cacgaaaaac tcacaacaac acaccgcacg ggacacgacg aaaaccacaca cacaccacca 420
caccaagcac agcggacgcc caagcgccac gcaacgccac acagacagaa cagccagaga 480
gaacgcgaca cagacccggg aaccaccaac agcacacaaa cggccgcaag cagccgaaca 540
acacacacca cacccacacg ccaccaacc aagac 575

<210> 11893
<211> 343
<212> DNA
<213> Glycine max

<400> 11893

atctatatat ggtgtattac aagcctcccg tcagtggtag cttatgtttc atgggataat 60
atcttcaggt ggttttgatg ataatcccat gcataaatgc atataccaca tagttagagg 120
gagtaaaata tatattcttg ttttacatgt atatgatatt ctactagcag ctaatgatcg 180
gggttggtcta catgaggtga aacaatttct ctctaagaat tttgacatga aggatatggg 240
tgatggatct tatgtcatcg acattaacat tcatacagat agatctctag gtattttggg 300
tctgtcacag gaaacctata ttaacaaaat tttagacaga ttt 343

<210> 11894
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11894

agcttgcata gttagaaata tcttggttga ttccgatggt gtgaagtcaa ggaaagattt 60
 ttctattgcc atgatgaggt catctatagt tttaggagcc tctttgtggt gtaatgactg 120
 aatggcatta aagaagccaa gatctaagac attaaaaatca agcaagtttg ggggttgaga 180
 aaccaatoga atgtcaaaac cgccttcact agcagcttaa tggaagtcgt tgtcatcttc 240
 atcaatgtga catggagcat tgtcttggtg tatgaaaata gtttctcttc tatccccctat 300
 tggccatttt gctttgattg cagacaacac atgatgaata agaaaatggt tgcttacttg 360
 cttatttatt gaagaatatt ggtntcgttc catagtcctt 400

<210> 11895
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11895

nnncctcttt tccaatttgc anagatcgct cnncnnnata gaananacaa ccccgcggnn 60
 gctgaggatg aaattcgaag actaaaactt tattatattta tgatcnaact ctcgagaagg 120
 gggatgtatt tatatcatatc aaacagcgcc atgattcaat acctctatca aaagcattga 180
 tttgtatagt tagagtgttt ttcttcttgg ttctagatag tagatactaa acaaaaacat 240
 actaatacca aggggggtcta gctcagatgg ctgagcacgg tgcgtaaagtg ttgtaaatct 300
 cctgatacca tggtcaattc ctatggatta aataaaacac caatgagacg ctttaagtta 360
 tgaattatag cataagggaa gtctactaac gccagcgtgg cttgtgtgga ctttcagatc 420
 tgtccgcgct aagataatta cctaaaccct tatgtttata tgagacatga acatgatctc 480
 catgagctat cg 492

<210> 11896
 <211> 572
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11896

accccccaaa ctagaacggt gagcttctgc aaaacanacg ncgaatntga gcanagaacc 60
ccgagganga ctctagaang cgagcttgac aagcgaagca aancncacgg gtgngcgtac 120
ggacaagaaa cagcacggcn gcacacgagg gcggcatgtg tgagaaagac ataacgcca 180
caccgcacac ggacgcgaac aaagggagat agacgcgacc atccgagtgc gccgaactgg 240
agacaaagag agcgacggta cgcgcaanac gagaaagcgt cgataccgac agcgagtgcg 300
aggaccacga agaggcgac gaagcgagag tgcgaagcaa gaagcaagcg caacagcaca 360
ccgggacacc cacaacgcca acacgtaagc ggagagaaga cccaagggac ggggacagag 420
caacgcgcat ggggaagccg aaaagaaacg ggggagaggg aacaggacgg gccaccgacg 480
agcgacaagc gtagagcgta agggacggcg aacggcgaaa ccgacgggca cgcacggggc 540
aacagcgacg accgaagcag gagcgaaagg cg 572

<210> 11897

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11897

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gaattccttg cgggactgta agcgctaagt gagtccttat cagctaagcg catacttctc 120
tatactcaag atgcatcatt ntagctaagc tggcccagaa cccggcttag caacagttgc 180
atcttttcta atctgcagac ctcgctaagc ggacttatcc gcacgctaag tcaagcctgt 240
gtgctaaaaa aaaaacttga atttcatagt taggctaagc gcacggtgcc gcanagcgag 300
catcttcgaa naaccaaacg tcacttcgag aaagcaaat ggcttatgtg agtghtaacgg 360
caactactct cacatttggt ggaaactgat gtattgcctg catcntctct cttgactca 419

<210> 11898

<211> 401

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 11898

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agcttcttat aagctgaacc attttatcaa taaacacaag ttgagtttta ttcagaaaat   60
tagagtttat ctcttttatc ttagtgagag tgattctcct aaattcttga gtgattcaag  120
aacaccttgg ctgtatcaaa ggactttcac aacctttgtg tgttgccctc gctggaaaga  180
gtgattcttt ccttcctttc atcatcaccc ttgttctttc aaccacaat tccaaaaaat  240
ccacctctgc ccagaattat ctcggtggcca taactcccat tntacgcact caaattaagt  300
gattcttgag cctaaattga atttcanaac gagacctttc acctcgttgt ggaatcacct  360
catttggagc cctgtagctt cagntattgc catttctata t                               401

```

<210> 11899
 <211> 313
 <212> DNA
 <213> Glycine max

```

<400> 11899
ctgggggtcaa ttacgagtgt cgcgatatcc tacggcacac aataggacat ccgaatcaaa   60
agttattacg tgggactgtt cctagagctc ccgatttcaa tctctagcgt ctcgatatat  120
taaggggctc aatcggacat ccgagttaaa agttattgtt gctcgacttt tcttagagct  180
tccgctgtca atattgagcg tctcgatata ttacagggtc cgatgcgaca tccgactcaa  240
aagttattgt cgttagatct ttctcagagc ttccgttttc aattacgagc gtctcgatat  300
cctacaggac aca                               313

```

<210> 11900
 <211> 228
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11900

```

agcnnttang tggttgaagt gtatgtggaa gagggggtgt ttgacaaatc tgaaaaaaag   60
ttgaatgatt ttaagggaga tgagggtgtt gtaattgatg gagtggaggc tgaaccagtt  120
gtggagggtg aagataaggc tcagggttcaa cttgatgagg aaggtttggt ggaggttgag  180
gtgcaggatg aagatgaggc tgggtgttgta cgtgagatgg aggttggtt                228

```

<210> 11901
 <211> 499
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11901

ntgtgataat tagcactcaa gggaggtaga actaagaact ctgtgtctca gactactatt 60
 caatattaca aagtcaaggt tatgataaaa ataaaaaact atactccctc ttttctcana 120
 tataagggaa aaaatgacat actaactaaa aaaagttact taaaattttc ttatatttga 180
 gaccaaaaac aatgtgtttc cccttctcat atttgagacc agagaaggag taactcatta 240
 gattccaaac cacatgcaat gtatctacca taacagataa gtccatgaaa tgcttaccaa 300
 tctgatcaat ctggtgattg atcataatta ctgaaatcct ttgtaaatcc aaatcttaaa 360
 aggtgggcct aagttattgc ttttgaaatc tactggaact attcaatata nagagaatgt 420
 tcagaaatga acgaacctca accaaaatgc caagtttcat actcntttct taaggcaaga 480
 atatatatgt tgaaataat 499

<210> 11902
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11902

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 aaatatctta ttgtgaagtt cttagagaat tggccttgac caaaagtggt cattaggtcc 120
 acgtagcctc aggtctctac tctttcgcct gcaaagccaa ggagtggacc gacgtgagga 180
 tggacagtgt caggggagac ctcgagtctc tggaaagttt tccagtatag gatatcattg 240
 gagcttcctt ggtcaatgag aaccttgac accatgaaat ttgcaatgat gatggagaca 300
 accatgtggt cgtcctggtt gatgggggtg atacccttga agtccctatc cgtgaaagtg 360
 ataggaggga gactttattg tgatggtgca ttgacgaaat tgatgt 406

<210> 11903
 <211> 495
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11903

cacatagata ctaagctgct gncatggag ctctntatc tcccacactn nttggttgga 60
ccattcttgg atggccttga ttntctcaag gtccacttgg accccatttc taccaactac 120
aaaacctaag ataactatat tatctacaca aaaggtacac ttctctatat ttgcatagag 180
gggtgttttct ctaaggactg aaagaacttg tttagatgt cctaagtgat catctaggct 240
cctactatac actaaaatat catcaaaaata aacaactaca aatctaccta tgaaatccct 300
taagacatga tgcataagcc tcataaaggt gcttggtgca ttagtgagcc caaaaggcat 360
cactagccat tcatacaaac canacttggc cttgaaagca gttntccact caatcacccct 420
tttcatnctg atttggtgat accactttaa gaacaatttt gaaagaattg caccatcaac 480
tcataagcaa tcatc 495

<210> 11904

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11904

agcttgatt gnattttcca ctacatcaat tgtacctatc tagctactta tctcctgaat 60
caaacatgaa ttagaaaaga aagttaactt gatatagaga ttaaattgaa attgaaagat 120
ggcaagtata acacatctac taagtgtaaa aattcaataa atttgactgt tccagagtgt 180
atggctatga cttgttgact agcaggcagg cgaactacta tggaatttat ttctctatat 240
gtagaataac aagtcaatga ggatgcaata tgatctgtag caccagaatc caaaatccat 300
gtttagcct caagcttggtg agcattacaa ataaggata gtatatatta cctatgcttg 360
atgtatgagc agaacttgta ccaatctagt taacttggtga tccacgagag 410

<210> 11905

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11905

cgtccattag tacaaatagc actattattg accttgaata tntttacatt aagaggcaat 60
 aatgtttgca tctgatattt gaactgtatg aaaaaaaaaat aaaaaattac atcatgaccc 120
 ctgaagggtc cgggtgtcag ataaaacaat actttggacc ggcttcaaga agctctcgca 180
 cgcctacgtc catgactctc gaagacccag agtaaggac acaaaaaaat caaggaccaa 240
 ctggaggagt caatcactga aaaagtgact cgacaattaa tgttgtcttt cagccaaatg 300
 cagtcccaaa tgcaatcgca actgcaatca caaagactca cactgcctcc tgagcttgaa 360
 gttggtcttt ctgctgctcg t 381

<210> 11906
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11906

gccttgtnat tgagattana tggcggngaa tcatgtgana gggcgcacgc ccattatccg 60
 actctgggtca cttttagggt gatagacaag aaccgattca agaaatctag acaccatact 120
 gtgcgcataa tagctgttgc ttttaaagaa ccatgaagat gtagcttgct catacaacgt 180
 tgaggatacg taggagcaag aacgcctctc catattgcgt ccaggataga ttctagcata 240
 tccgagcgggt caatatgtat agaaatgttc tacggaccta cactataagt tattgagcca 300
 cccaacggct aacgaatcgg aacgaagaca atgtcactgg tgtatttgag tcacgaaagc 360
 tgtggcattg gaatgcgtat tgggcagagg tttctttcat ctgccctatt ctcttggtc 420
 g 421

<210> 11907
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11907

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 acatttgtaa catggctgct tagcatgtat ttatattgcc ttacatgag aacaaagggg 120
 ggggaaatat atgtggaaaa tgaacacgag gaagtagana ataattttct ccttccttga 180

tttgatgccc cacatgagggc gaatataatg ctcagaaaaa ttaaaatcac atactcttcc 240
atataagaga ttgtcaaga tattattnta aaaagaacca tatattttta cattgtgaga 300
agttccttaa ggtcaagtcc cacacagtta acacccgatc aactgattgt ctcaccaaga 360
actctaataa cacactactc tgactccac agtagcacta tatgtgtgtt caattcactg 420
tgtcaccaca ctgaatgtga tttcatttat tgagaagagg attgatgttg aatgtgcctt 480
atacagaggg 490

<210> 11908
<211> 405
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11908

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gcaagtcgac tctccacatc cacaatcac acataaatcc accatcccaa gttgccacc 120
ttcaactgag ctacgtagt cccacgtagc ccttatcctg attcctctca acaccgggtc 180
cccatcaatc cctccaagct tccataacat ccaagcaatt caacatccaa acatcatgaa 240
ttatcagaac caagaaaaca gggcagagggc agaaaactct gcccaaaaca caaaccaata 300
ccacagcttt ccttactcaa ataccceaat aacattctct ttgttgcaat tcgttcaccg 360
ctggatcgac tcgaanattt tactggaggt ccctagtaca taagt 405

<210> 11909
<211> 444
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11909

actcagctct agaggatact aggttgtcac ccagtagggc ctccttaacg tttggagccg 60
gtcgtgggat gatgatctgc tgatcacagg cctagtgcct gctcgtaccc gtccctgaga 120
attggttaag tgggaaatga cattatgctg tgaaacatgg ctacgctacc acttacctcg 180
gttcacccct gtcttggtt tggcgccgta ttgaccatcg cttgaaatga tcttgcctt 240
gtctttcgat tcataaaata aaaatgcatg tgcattgtga tgtatgagca gtttcaaaag 300

caataattct ttagcaaaag cctgttgggt tcagttntaa ttaagcgctt ggggcatccn 360
catggatcga gcanaaaggc tcggatcatt aaaagaatac gcatctttta aggcacanaag 420
cgaggatcag aacaacgaat catc 444

<210> 11910
<211> 407
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11910

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acccttgagt aaccttcaca aaggaaaaat ataaaaactat aaattcccat aaattgtata 120
aggcatgtgc ttccatgaaa tgcattttca aagcaacaat aatccataac actacgaaaa 180
gaaggttccc aatttgactg aacggaatac agtcacatca gcattggatt caatcagaca 240
cacataaacc atttccaacc atttcttaga atttcaccct tcgaaaattc gtgatcttaa 300
tgccaaaaaa attcaaattt ttttaaattg gttttctaaa tccgacggat gaaaacatta 360
ngaagtgaag atcagcgaat caggcattga aattcttgag atcacga 407

<210> 11911
<211> 329
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11911

tactntggca acagaagggc attaganaag atcatatctt cttatatctt ccattgnnnc 60
aatngtataa tttcatctaa acaatattca gaaaaaatga aagaaaatat cctcataaat 120
catgtttgct atctccccta ctaaataatt agactccatc tatacctcan accccacgta 180
ggatttatgt acaaacagac gaaagagggg gcaaaaaata agtgaaattt aaagaggacc 240
ttggacaact ttcaataacc aagtttagtc ccactctgcc tatctacca tgcacgtta 300
agctaagcta tgtactcatt caccttttg 329

<210> 11912
<211> 405

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11912

agcttnatcc tcacgtccc tcacagtctt tagattgggg agccaatcca atccttgtgt 60
tcggactctc agccacttat gatagccgcc gatgatccca ttactgcttc ccctaagctc 120
tctgtccttt cttcacgccg catcccatgc cttgcgaact ccttggagta ccctcgcggt 180
gtggtcacta aaaccccggtg cgatgaaagg cgtgatgctt tcgtctaata ggcgtcctct 240
catggcgtag ccaagctgtc ttatgggtgag aacaggatta taattaatac aaccccttgt 300
tcccatcaag ggaacatttg gacatccttc gcatgaagat agaatcctga ttcttccttc 360
cttctagcga gggaaccaat taacagacgc ccccccattgc tagcc 405

<210> 11913
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11913

tagagctgca ttgcgcacc tattttgaat cctctatgat gttcttatgt atataaaaca 60
gtcccacaat cncgatctta ataaatcaca tccatatgtc attgcggcat ttcaccgagc 120
acttgggtggg cgcgtgttta ggcataaatt gcaagagaat gggggcaatg tggcatgccc 180
cattgtttta gaataccaca taggcgtgag gccatcctct acaacccctc aactctaaca 240
aattaagcat aaaaaccccc aanactgccc cacaaatatg agcacattct cacaatttag 300
agcacaaaaa gatgaacaaa atgcaccaat ggaaagctaa aaactcaagg attgaatact 360
tacttggttg agtgagt 377

<210> 11914
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11914

aactaaattg ggcacagcct gggataanan ntatagttag ttggaatata aaccaaattnn 60

ataattggga agtgaatata tatanntata tatatcatatc tataactatna ctgagggagg 120
gaatcttctc aaagtanaaa ataatacaan cntatttggg annaagtaac taagctatctt 180
ggttggtccag ggggtttaact ataatatata ttggcatcct aggttaactac ttcaaacaca 240
catgtcaacc ttccacgtca gttttgaaat agaagcacag acgcccagtc cttgacagtc 300
ggactctcca acanacaagt tatctataac ctcttaatta tttgaatata tattggaacc 360
actttatctc ttgacagggtg tcacgacctg cctcgctcgtt 400

<210> 11915
<211> 490
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11915

nccccgcga tgagaagtca ncgtacnncg cacacttaga aactcaacct tgcanaanaa 60
tgaaaatatt aaaatttcaa attcatattc ttatgtttta attttttaaat catgaaacac 120
actcttaatc atacttacaa tcttagcata ttttcatcac atattcataa tataataaccg 180
tgtttttatt atcataatac aatattttac attttccttc atgtgacaat tgcatttcaa 240
ggtacgttca tcaccaactt catgtgacat tgaatcattg acataaactt agattagaaa 300
atgaatgaac aactttaag gaaagaaatc attgtcaaaa gttgtgcttt gtaattaagg 360
tgtacaatat ataaagttag tgatgaacat accttaaaac atagtgttac atgaaggaaa 420
aaacaaaata ttgtataata atgatgaaaa tgcaatatta tatgaataat atatgataaa 480
aatattntan 490

<210> 11916
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11916

ccccgaaca gaggcgaaac ggacagngaa acgcacgcaa ccgaacccca cacaaaaaca 60
ccacnaaggg ggcgccccga ccctgnaccc ccnaanaaaa aancaaggag aaagaagaga 120
ggagagaaaa aaaatggtga gagaagggaa aaaagaaggg gggggagaaa aaaaggagaa 180

aaagagggga aanaaggaaa aggaggaaga agaaagagaa agaaaaaaaa ggaaagaaag 240
gaaggaagag gaaagaagaa gaaggagaag gaaggaaaaa ggggaagaga gagaagagaa 300
agaaaggaaa ggaagagaga aaaaaggaag aaaaaaaga aaaaaaagg agaaaaaaaa 360
ggagaagaag aaaaaaaga aagggaagga ggagaaagaa agagagagaa gaaagagaga 420
gaaggaaaaa aaaaggaaag acc 443

<210> 11917
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11917

ctgcggatnt ggtcttcgcc gggtaaagga tcaaagtga tcatataaga ggcaaantg 60
gtcatcctgc tgtggctgcc attcctatat ggccaagttt cccaccaacc caacaatgtc 120
attactcagc caataacaac ccattttctt acccaccacc cagttatcca caaaggccat 180
ccctaaatca aaccacaaaa cccacctacc acacgaccaa tgctaaacac cacctttagc 240
acaaaccaa gactaacca agaaatgagt tttgcagcga anaaaaaacc tgtagaattc 300
acccaattc cgggtgtctta tgctgacttg ctcccatatc cactcgataa tgcaatggta 360
gccataacc ctgctagggt tctcaacct tcatnttttc gaggatacaa ctggaacgca 420
acat 424

<210> 11918
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11918

ttenatangt atagggncna ccagagagac gaggggggca tttttgaaag accacagaca 60
caccactgcg gcgagaacac cgcacgagag aaccgagacc cgaggggagag aagcncggcg 120
ctggagaacc ncggcaagaa cgcagcgcag cgaccagcga ccgaccacaga gcccgacag 180
agacaccac gacgccagcg gagcgaagcc aaaacgaccg tgctatctcc ctgttattga 240
tgcatatgga agcgttccta gtacctctat acgtaggatg ctctgtgtgg tctcctctc 300

ggccgtacat tctgtgtagt ttattgtatt ccgcctctga tagtcttgga ccctgggtgt 360
 gtttccgatac tcttgtttta atacgatacc ccgtaccact atttatcgtg ccaatgtata 420
 accgcttg 428

<210> 11919
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11919

cgcccaccgg ccttttaggg atgccagatc gcacnacnnt tngaaacgnc acccgccgca 60
 tgaanaagac cattgtgata aggggaagat tagtgcnttt tgataatcta agcccttgag 120
 tgcgatagga accaatgaat atttgtagcc aagcctcact acaagcccga taaagccctt 180
 ctgattctgt gaatacattt ctgactgtat ggtctgaaac gaaatccaaa gactgagcct 240
 cttgctagtt gtgattaatt aatcacttat aactagtgc ttgagagaaa caagagccgt 300
 gaaactgtgg ggaagctact ttccttgaga tctggcttat gcctaactcc atctaaatgc 360
 tcacgcgaca atctattcct ctctttggag aaatgcatac cttgtgaaac acaagtgatg 420
 agagcatttt actccattct cttatcattc tatcaagaac tcttggtgca tccaccctat 480
 gtacatatatc ct 492

<210> 11920
 <211> 538
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11920

gacgcaccga ctacgacaag agagataagc ggcacgacag gacacgaaca cacgaaacaa 60
 atactccaac accnacaaca ggagggnnnn nttgacctcg ctcgaccccc nnnnanaana 120
 nanaaagggg agaaananag acggaaagag gggagaaaga tggtttaaga aagaagaaga 180
 aggaggaggg agggngaag gaggaagac agacacaaan aagaaagggg gagaagagga 240
 aaaagagaaa caagcaagaa gagaaggag ggaagagcg agaaagaaag acacgagcag 300
 aaaaaacgag agcagggacg aaacccaaac caaaggaacg acaccggaaa aaacaccaca 360

caaagaccag caccacaaag agccacacac cgcaaaaaga gaaacgaggc agcaagaaac 420
 ggagccaaag agcccgaccg aacaacgagg aacagagacc agaacatagc acaaagaaca 480
 acacaacgaa cgcaacgcca cacgaaagac caaaggcaac acaaaccgca acagaaaa 538

<210> 11921
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11921

agcttcctcn gccgtaaaaa agatattatc ggccagtgtt tgtaaaaaaa ttgcgcactg 60
 tccgctgaaa aatatccgtc ggggctatct aactaccgat gtcggctatt gttttttcta 120
 ttccaccctt gaattatatt tggatgatgc ctattaggaa atgttcggtc ggggtcatcc 180
 ggccatgctt ctttttgagg cctcaatctg tcgtctttcc tagccaggcg acgctggcta 240
 gcattttttt cgatcaatat ctgagtgaat catgtttttt ttgcccacg agggctaattg 300
 gtttcatgtg ccaccaaattg agaacatgcc aatgtcggac gatacacaat accgcacgaa 360
 aaaccct 367

<210> 11922
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11922

catgcgaagt gngtggaatt cctagagcaa ttcctttatg ttatcaaaca tanaaaggga 60
 aaaggtaata ttgtagccga tgctctttct cggcgatcatg cttactttc tatgcttgaa 120
 acaaaattga ttggtcttga atgtttgaaa agcatgtatg aaaatgatga aacttttgga 180
 gaaattttta aaaattgtga aaaattttca gaaaatgggt tcttttagaca tgaaggcttt 240
 cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaattt gcttgtttgt 300
 gaagcacatg aaggagggtt aatgngcat tttnggtcc aaaagactct anaaacatta 360
 caagaacatt tttattggcc tcatatnann aangatgtgc agaaattntg tgaacattgc 420
 attgtatgta aaaaggcaaa gtctaaggta aagcctcatg gattgatact c 471

<210> 11923
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11923

agctttttct tgaagtactg ggagtgggtgc tctgagacga ggtgaagttt ccttgggact 60
 gcctctctat ttatagttgc tgaagtgggc ttataggcct tcgtagtcgc actcagcgcc 120
 acacctcgcg cttagcgcg ttagatcgcg cgctggggcac gccatgcacg cttagcctgt 180
 gcttctgttg gatcgcgcg tggggcgcta gctgggctta gcgcgcgtaa cggtttctac 240
 tccttcgtgc ttaacgccac gcttagcgcc tgcagctagt tgctcgctta gcgcctgtgc 300
 gcgcttagcg ccactgttgg gctgggcctg cttcagaatt cttttttttt cttcctttct 360
 gttgccactn ttgcttaatg tacccttttt tttcgatatc g 401

<210> 11924
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11924

gcactacttc acctnttatt taatttacan aataaataat acacaatgaa nagganaact 60
 taactactgc tgataaagaa aaaacttcta gaatttagcc ttatcttttt attttaacaa 120
 tagacaatgc aaaaaaaaa atcaagattt gaattgacta aactctataa actgggctga 180
 ttaattatga gttaaacagt cttaattatt taataataaa tattaataac atttaaattg 240
 tacagcataa ttatactat tcacagaggt attggaggga gacagagaga agggaaccaa 300
 cctggctctt tgggaaagta gggcaacaac accaaagatg aaaaacataa gaagcattcc 360
 agagtgtca aagtcattca tgtgagcggn gttaaggact ccaccaacaa aaatcttgag 420
 gtgtgtgaat aaaaagctc gatgcacatg tcaacgaaag caccaattga ataacatat 479

<210> 11925
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11925

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agcttggttat tcnntatgat agaccagtga gcctcacggtt caaagggaag ctagtatttg 60
aggtgaacag gtatggcttc actgatgggtg gagcttgggt tgatgggaac ctaaactaat 120
gcaatcctac cccgcaaggg cattggatag aaaactccaa gtagattaag ccagagatgc 180
aagagaaggg cctaggattc ttatgagcct tacggtagat ttcgggcca tgggctaagt 240
atgagcccac ttatctttgt aaatattaga ttaagggttc attatctttg ggccttgtat 300
atagagctcc ataatgtagg tagggtagcc tagaaatata tgaattttca gcccttgtat 360
tttagggcac ctagactagt ttttgtatta cgggtagttt tgtaat 406
  
```

<210> 11926
 <211> 308
 <212> DNA
 <213> Glycine max

<400> 11926

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gcagatgcat gaacatgggc agtttgcagc gctctgtcct cgtgcgtaac atgccagact 60
atatatgctt gactcaatga ggaatgctac agtgtgtgag ctcagcctgt gagaccatga 120
cgagaccatt gtagaaaact atagctaacg agagatactt actagaaaca ccacatatag 180
ccacctgact agaataagaa aacaaaagga ggtgaggat cctaaacgtc atacggagaa 240
tacatggagc agacaggcaa ctgtaagacg cactttgtgt aatgaagcag tggacatact 300
tacaaaat 308
  
```

<210> 11927
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 11927

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agcttttatt tcgtcgtggt gctttcatcg ttgtcatctt ctcatgacca tcgtgtcact 60
gtcaatgtcg aagtgtgaac tcctccacca caagactctc atcattagaa gctatgaacc 120
catctcttgc attttcatgt cttctttgtt gaattttgtt gggatcagag ttggtgtggt 180
tgttgatgac attggcttta aggtgcggcg gaaggagcgt tagggtttgt ggttaagatt 240
ttgaaggaaa atggtctcaa aaccatattt tgggctcaag agtcaattac atgtagagaa 300
  
```

agtggttaaca tcctatgatg tttgtcctaa gacaattacc tcacaactaa tgtgcacatt 360
tagataaatt taaaattatt tattttaccc ctcacaaatg aaaaga 406

<210> 11928
<211> 508
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11928

aggggaagggg gnaggatcgt cngntcgatg cnnctcataa cggcacctta gaaacanaac 60
cttccttaag aagataccta atgaagctag agcttaacta catctcttct ctctaatagc 120
taagctcacc tgcttgagat gagaagctag agcttagcta cacaccccat ataatagcta 180
agcttacccc catgacaaaa tacataaaaa taaaaaaaaa gtccctacta caaagactac 240
tcaaaatttc ttgaaatata aggctaaaat cctatactac tagaatggcc aaaatacaag 300
gcctaaacga aggaaaaacc tattctaata ttacaaaga taagcgggct catacttagc 360
ccatgggctc aaagtctatc ctaaggctca tgagaaccct anggccttcc ctgggatctc 420
tggeccaatc tacttggagt cttctatcca atgcccttgc ggggtaggat tgcattctc 480
cctccacctt ggaaaggatt tgacctcg 508

<210> 11929
<211> 384
<212> DNA
<213> Glycine max

<400> 11929

agctcgttta tgggttaaaca tgacacaaga caaggcttgg tttggttcaa aggtaaaagg 60
gatgccccac attatttcca tgacacaaat gcaaaaatga tgatttggaa acttcatgct 120
aaactgggtca tgcattgcacc tatgtggaca ctcaagtgtc aaattattat ggtcatgtga 180
tgctaaagct taagattcat ttccactatg ttaaatacaac ccaatgtttc caaaatatgt 240
tcttttatca atttgtgcat tcattogagt acatttcggg cgatcagtga atttatacag 300
cattcacctc tcaagtgtag acacatcttt caaagatagg gtatgatcaa tgaatttctt 360
tcaaaaaaag ttggaaatta ttct 384

<210> 11930
 <211> 493
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11930

agggccgctt tacgaagacg tagcagnacg tacnnnctng agtaatnaac nnncgaccnc 60
 ctgtgttctg ggaacctctc cttcctcagg tgttcctctt tttcttcacc tagttcaagc 120
 acgactgtgt ttctgctttt gttggcttgc cttgcatagc ccgcattatt cttttcaatt 180
 tgagccttca cttgctcatg cagcttcttc acatactcag ctttagcctg tgcgtcctta 240
 tgcttaaaca tagcaatggt aagcatangc aacaaatcaa gaggagtcaa aggattaaat 300
 ttatacatga cgtgccatca ttttcttcta tcttctaaac cttttttgca ccattttaat 360
 tactgattgg tcttaattgt caattaatta ggcagtttta ttattggggc tcaattagct 420
 aatctgatgt ttttaatacta atttcacgaa ttaatgaaac attgcgctta atccggattt 480
 tggttgtgac tcn 493

<210> 11931
 <211> 594
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11931

ccgcagccgc ggcacacacg cgtaatagtg acagcancag gaggaaagcg ccgctaacac 60
 gacacacacg cctcccatat catacatncg cacancacac agacacgagc gccgtgtaga 120
 ccccgtagca ncaccgnaa nnnaccgacg aaccaccgcg aagcaccgga gacgccgga 180
 cggacgagcc cctccaagcg gtttgaccac cagcatagcg cacaaacgca ggcgccaaga 240
 ccancanca ccacaacaca acgcacccac acgaccgcaa caccgccgac acacacccaa 300
 gagaagacac gcacaagagc acacggaacc acaaaccaca agagaccaac aacacgaaac 360
 agatgccaaa gccaacacag cagcgagac ccacacaaag agagaccagc ccaaagaaca 420
 acgcatcacc caccgagcc agaccacaac acgcacggca caagcaacc cccacagaga 480
 accaacgaga cagcgaagc aaacagcgac accgcacagc acacagaacc acaaatgaa 540

cgaccaagcg cgagaaaaca ccgaaaacca aacacacacg ccaccgaaaa gacg 594

<210> 11932
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11932

ttcactttat tgtangtaac gcgagctctg accactgttc ttactggccg cgatgcttct 60
nttcatgtcc gcctgagtgg gcttattgcc taaaccatac tagccacgat tcccttgtgt 120
ttttatcaca ctagttatgc cgtcattggg tctgtctaaa cccatctccg ggttcataac 180
cgttccacac ataactcggg ccatcattac cgccgcatcg gacagacaag gctgcccata 240
gagggagtcc acggaggaaa tgcttaccac ctcaacaagc tggaaagcgg tttctaacga 300
ttcttgtgcg gcttccaca 319

<210> 11933
<211> 539
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11933

acgcccgcac caccaagaca cgacgagagn actacgcaga cggaacaagc ctcacacaga 60
accacacacc aacgagcatt gagcctgcaa gcacgcaang acaagnncng ggaccgnnaa 120
gcgacagcag cacgcaaccc ggtgaacacc aaccacgaac ccnaccggcg gagaacaagg 180
ngaanaccaa acaccccgag aacgcaacaa aaacaccggc gaagcagcca acaaaaccgc 240
cgacggagca acccacacaa gcaaccagga cgacgcccgc aggaagcaag atgaaccacc 300
gcgcgggcgaa ggccaggaac ccggaaaatg cccccccagc gaagaacaca cgcaagacgc 360
gcacgacgcc ggaaaccaac agagacaacg agaaacgcga agacgagacc caagcgtcaa 420
gcaggcgccg cacaaccaac gaagacagag gagagcacac gccgcccgatc aatacaacaa 480
tgaccatggc gcgaccacga acaggcgaaa ccgaacagga gacaacagcc gacacaccc 539

<210> 11934
<211> 497
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11934

nnnccggggc cggtagcgaa agtancangn agnnncnnaca natacgcaag cnncnagctg 60
ttcattggtg tgttntgata tcctttnggt gttcnataat gtgggaatgt gctcaaatat 120
gtggggcaat tttggtttgt tttcttgctt gattggggtt aattgggggt ttgtatgaga 180
tgggcctatg cctataatgc attttgaagt aatggggcat gccacattgt ccccgttttc 240
ttgctattga tgccataacg cgcgccacc aagtgttcgg tgaaatgcct caatggcatt 300
agcgtgtgat tttcgtaggg aaaccaccca tggggcattt tgatttgcac atattttcca 360
tttttttggg acatgcattc agtttcgaaa gggctagagt aattgcccc catatatcct 420
aggcctaaga acctaagttt ttatgcataa gaacacaaga agaggtgcat attgtgtaaa 480
gttaccttct ttggccg 497

<210> 11935

<211> 471

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11935

acgccgcctt tcgtaccctt gnanaccacc cgtttgggaa acgctcgcgg gaccttagaa 60
cacctgacgc cgcagcttaa tgacttagaa aatacccacc ctcccgtggg gctttcacta 120
tgagggaatc ctctcatgaa gccaaactaag agcttcactt tgacaggcct tatggaccga 180
actctcaacc atacctagca tcttgactga ctatgctacc atcgtacct caagcttgtg 240
ttttctcatg acatgatcta ggggatgtgc gcagctttat gagatctgaa ggctttgtaa 300
aatacatcca aaccttcggt caagtttatc aatgctacag aacctcttca attaaactct 360
aaaccacatg gtatacaatt acaccctagt gcgggtcgac gaggactaac gtatctcaac 420
atatcatcca aatcacgaaa attcaatgac tgcagcacia tctataaatc g 471

<210> 11936

<211> 1056

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 11936

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agggcnnnnc agggcggacca ccggtctttg cnttcnaatt tactcncccc tgcangtana 60
nngcccgnann nacntattan nngannanan annannaccc gangncgtga ngcagctacn 120
ctcangnagg gtgagnagtg taacacgntg cgnnangaag aaaagagaca ancgaaagtt 180
acatgttcgn tctttanntt acanttnanc agnacggcng gcncacancn cacnaaggan 240
cgctgatnnt gtagtanta gngtattgta cccanganta naactctnca gtaccctata 300
ntcntacca ctagegatan ttcanctac cnttgnagtg aggtcggcgn catcgtagac 360
cgactatata actactgact aacgangcca cntcgtcgac tgnttcgctt agtacgtcga 420
tctatgggcn ctgaagaatc ttacgtacac gtcgagcgaa gcatgancag cgcttgatng 480
gacacatcgt cgtgcagtgt gncctacaca gtgggatcac acancgggtc cccgagnanc 540
tactacntaa tcanctaag acgccagtca tgntaacagt cncngcactt angcctncat 600
cgaaactagc agcgtancag tcngcactcg atacnatatn gcgcgtagct agcgcaccgc 660
cataggcctn tgacgctatc tatntgcagc ctgaaagagc aagcctcggg ananttgca 720
gtataatgtt gcacanttaa cctcgancgt acccgccaat nagtncantc gtactacgtc 780
gtgaactcgt gcagcactaa tcatgtcgan gaagctactc atcgtcgtac taggcaagta 840
ggaagtacga acgacncaga antccgcnac ngagtantcg ctatctgcgt gtcnccgtn 900
tcgtatgtcc caacnagggtg cagacaccat acantgcaac acagtacacg tccgcccacg 960
tgcgacatgt catnacanca cagtacgtaa ggttacgagt gtctccgcac atctcacgtc 1020
gctttngttc ncgatantct cctncgncac gcgcgn 1056

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<210> 11937
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11937

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cgcagcagca ggaggagcag aaatagccag ctgcaagcgt caccacctct acgacatcca 120
ctgttaatca tcgtttacga ctaacttttg tatataaaag ttttccaaaa tgtatataaa 180

```

tttcccaatt tatggttctt ttggttagga ttgtaaataa aattttcttg ttttgatctc 240
 tgctcagtag aagcctctct agatggaatt aatgttaaata tttctttaat ttcattgcaaa 300
 aatgagacta tttgaagaag taccaaatga gtcattcacgc taagcgagct caatgcgctt 360
 agcgcgcatc aacagctaag cccagcacca acacgcttag cgagt 405

<210> 11938
 <211> 484
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11938

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 ttatgaacct acacgctagc atcctaattc ttgttaacaa gcttttcgta tatttggtgt 120
 gtagttagaa aaatctctcc aagcacctta aataccttga gagagaagac taagtactta 180
 gattgtacaa tcgtttgtaa gacgattaat atttagtcaa tgtgcaaaca aactataaat 240
 atgttgactt atttatagct agcagtggct tgatagaaca aataatatgt caagcttggt 300
 gtagagcttg aggtgtaaaa gccaaaagtg ataattgactt atacttataa cttgttgaag 360
 ttggtggaac ttgggggtta accaatagct agtctcaatg gtagagatga ctagtattct 420
 aatctgactt ggggcttgaa tttgattttg tctgaacgac tcttttaatt tgcaaaatct 480
 attt 484

<210> 11939
 <211> 302
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11939

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 atttaactga ctttgggctt ggcgggccacg atcaacaaag tactttggac acctactata 120
 tgttgatttg accaacgctg ttatcggtat gctacgacaa tccttcaata ccttatttat 180
 acattctgag aggttcgcta tcatgtggcc atatcgacgt ccttctctat cataagccat 240
 gggccatttt tcctttgaaa tgcgatctat ccatgttgct atggctggac tcacttgacg 300

aa

302

<210> 11940
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11940

tataggtatt tgtgaagtat gttgtatgac tcttcccaat ttctgtatac ctacttgagg 60
 gccattgnt ttgccagcca tgctttatga tatgtgatgg tgtatccgac tctagtctta 120
 cgaatgtacg aatgggttagc tgctcgcttc ttcaaccatc acacggatat ttttgcctac 180
 aagtttgcga tccatcttat tgtgatcttg tgaaatgggt ggcataacgc atgtgtgagg 240
 cccttctatc attctaattt cccaaacttt tagattatct ctttcggatg ctctaagttt 300
 ccactagcac ccatgattct taatgtgccac cattttttacc gtgtgttttca agtcctccaa 360
 ttgacaaaat cgttgaccaa catacatctt gtcacgtgta gtcagattgt cgtgtgggct 420
 caaaaatgcc tatgtcggcg ttgtccgcac ttggtgtcac cacatcacc tatttgatat 480

<210> 11941
 <211> 637
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11941

accgcaagcc aaggaacaaa ggggaacgag acaaacacag acccgaacca cgccaaaaag 60
 gggggcatgt gaccctggaa ccccccaana acaaanagca ccggggaacc acgcaacaga 120
 acgacgacca acaatcttga cgcaacgcca cacagaccac caggagaggc gcaaccacaga 180
 atacacacac caaacacgca cactcgcaca gcaagcacac acccaccagc atcgcaaacy 240
 cacacacggc acgccancag gcgaaacagc aggacagagc agaacggagt gcacaccgat 300
 ctgcgagcac tgacacagaa cgcacaatca ggcccacgaa acgcaggcac cgaagaanac 360
 agcatagcgc gcaacacaga cgcgcacgag acggacgcac acacgagaca cacacgcgga 420
 tggcgcgaga cgacgacag cagccacgac aacgcagcga cgccgctgag agcgcacac 480
 tacaatcgac cacagcagag agaagcacgc gccatcgaaa tggaggcagg acaaaaccga 540

acaccacaca cagcagagtc cgacagagca aagacattga cggcatacag ggcacacgca 600
agcgccggac ggaacgagca acgcgcacac cacaacg 637

<210> 11942
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11942

aaaaaaaaag aatacaacaa aagaaaagaa aaggaaacgg aacatacaaa cannnaagaa 60
ggagangggcg cccctagacc ccnnnananaa annnggagag aaaaaaagaa aaagagaaga 120
atTTTTttaga aaaagaaaaa aagggggggga aggaaaaaaa aaaaaaagaa aagaagaaag 180
aaaaagaaag gaagaagaga gaagaaaaag aaaaaagaag gaaggaaaaa aaagaaaaag 240
gaaaaaaaga aagaaaggaa ggaaaaaaa aaaaggagaa agaaagggaag aagaaaaaaa 300
agaaaggaaa gaaagacagg aagagaaaga aaaaaagaaa aaagaaaaaa aaggaagaaa 360
aaagaaagag gaagaaaaga gagaaaaaaa aaaaaagaga aagaac 406

<210> 11943
<211> 395
<212> DNA
<213> Glycine max

<400> 11943

agctagtttt atctttatgc gagacagaga ccaacatgtg agctatcatc gtcaagtacc 60
aagaatagct aagtgtagcc actgcccacg agcataaaat cacggatgag tatgctcaag 120
tgtatgcgga aaaagaggct aaaggaaggg tgatcgactc ttacacccat gaggcaacca 180
tgtggatgga tcggcttgct cttaccttga acgggagtc aagaacttccc cgattgttag 240
ccaaggccaa ggcgatggca gacacctact ccgccccga agagattcat gggctgctca 300
gctatttgca gcatatgata gacttaatgg cccacataat tagaaatcgt tacgaaaatt 360
gtatggtctc tcagaccttg actggatagc acttc 395

<210> 11944
<211> 355
<212> DNA
<213> Glycine max

<400> 11944

agaattaagt gcattctata ttccaagag cattcactat ttactgaat acttagtact 60
 ttataaagca ttacgattag taagataggg aagagaatag tattactttt ccaagaattg 120
 caaactttcc agtaagttat ttaaagacca gtcaaacc aa tcttaacgaa ggaagattcc 180
 tagaggatag tattcacagc gaattattgc agggaatggt atccataacc gttacacggt 240
 gaagcagaca cccatatgat ataaaggggtg aatgcgctac aatatcatca caactctcga 300
 gccatttagt tatacagtca ctcaaccatt aagtactatt gatgagtact acaca 355

<210> 11945

<211> 559

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11945

gccacccac acccacaccg gagaggaaag aagtgagacc acacacagac gaagcacaca 60
 caacaacaca aacacacacg cgagagaacc gnnnnngtga tcccgtagcc caccncaana 120
 nanagaaaga agccgcgaga gnagaaagnc cgcgacgaca aacaagcaaa ctgtggtgga 180
 agaaagacag acaccacaac acacaggagg cgagacgcac gacacaacga cccgacacnc 240
 cacaacacg cagcagagca acaaccactc aaagccacaa cgaccgagca gcaanacgac 300
 gaaggaacaa cgagcagacg caggaaaaca cgacagcaaa gacacaaaca cccaaggaga 360
 agggaccaac acaccacca cacaacacgac aacaacaacc gacaagggcg aaaaacagac 420
 accaacaac cgagccgaaa acaacacgag aagcgacaca caaaaaccaa caaagaacag 480
 gaccaaccgc acaaggcacc acaacaacc accaccacca acaaaacca cgcacaagga 540
 aaccaaacag ggagaagcc 559

<210> 11946

<211> 502

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11946

ccacctcccg cgggggttga ttgactgagt cgatcgnacn nnacgngana atatagccaa 60

ctcacgctnt gggcataatg agaatgcaaa tatttagagt ttatttgtgt tcaatgctaa 120
gctttagggc ccattatata cttgtcaacg aaaaatgatt tcgcttaagg gagagcaacc 180
aggtggaata gactcacttg ggaggaaatt gttgaagtat aattgtgaat ttttttatga 240
agctcgaata tatttagtaa atatattcaa atattggcac aagctatgat gacgaagtaa 300
atatccttgt gtatgatgta caaaaaataa aggtctttgt tctagatcat ggtagtatga 360
tgcatectec acactttacc accaactctc ttctttacgt ttcttttttt cctctcagtc 420
gcataccacc atgattctcg tgatgacctt cttctcttcc gctactaaca attcccaacc 480
acaatagtgc aaccacccat cg 502

<210> 11947
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11947

gggctagcgt ttatgcgaga cagagaccac atggtagcta tcatcgccaa gtaccaagaa 60
gagttaggcc taccocgggc ccacgagcat agaatcacgg atgagtatgc tcaaagtgta 120
tgccgggaaaa agaaggttga aggaagggtg atcgactttt tacaccaag aggaacccat 180
gggatggatc gggtttgctt taccttggac gggaagtcag aactttcccc gattgttacc 240
caaggccaag ggatggcaga cacctacttc ccccccgag agattcatgg cttctcggct 300
attgcagcat atgatagact taatgccac atattagaaa tcgtaggaaa ttgatggctc 360
ttagacctga ctgactnact tcttttttaa tan 393

<210> 11948
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11948

tctcaagcaa gcttccatca atccttttat gttgctaaga atcataatga ttccatctta 60
ngaacatgtc ttaggaatth ctgcactttt cttggattat tcttaccxaa tggttttag 120
gaaatatagg atttcccat atgaagcttt gcagaatgac ctttcagaaa ggagtaagaa 180

atgtatacac taacaatctc ttagcatctc acagtaggga tagaatatta ttctataaa 240
 catacttatg ttcttcagat ttgcttaaaa gctataaatg caaacttaaa tgctttgaat 300
 ttcaaacttc catgtttctt gaacactctt agtgagtagt tntactttta tgagtgtttc 360
 cacaaactaa ttactcccct tgagctttct gagaaagtgc cactntctct cttttagttt 420
 tttgaacatc aaannagtgg ttctatggc ttggtttgaa taaaatgggt tctgaacatc 480
 tgagtanatg atcatatatg 500

<210> 11949
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11949

agcttatitt tctaagcact aacaaaaaac ctttattcaa acctttcaaa gtgagtgaga 60
 aggctaaacg aaaaattagg gaacttaaga aaactaaatc cttaattgaa ggcgtaagtg 120
 acaatcatag cgaattacta aacaagattg gtagtgtgct taaagtcatt ccaaatactc 180
 cccaagcctc ggaaaatact tccaaaatgg taacaagaag tacctccaaa ttaattaatg 240
 ttattaatga agatagtgc caaaactcag ataacacaac tgagatagga tcagtgtcag 300
 aaaagaacat aaatccgata aattccaaac actgganaac accctccana ttatattatc 360
 aacgtccaac tgcccctgac cttctatta 389

<210> 11950
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11950

gatcctattg aagactggcc taactaaaca ttattattga acagcataat taaaaccaag 60
 acttaatccg cagatccctc ttgtaagatt aagtcttgat cctgcttcaa tcaagttcta 120
 aggcaacagt acatttccca atgctaaagt cacctaacta tgcacacaaa tggatgatca 180
 aaccaaagc atacaaacat taagcattga aggaagcatt gaacacagaa aacataatca 240
 attaaatatt aggtatttac atcagttggt cattagaaat ccctaactag ggtgcttatg 300

cagccattac aaaaaaaccc acataataat aatggttaca aacctanngt tcaatgcaca 360
agctgctctc ttgatgcttc tanggctttn tttcccaa atgcactgtg gtgttctctg 420
gaatctgtgc cctttcttct gcctacaatc ta 452

<210> 11951
<211> 402
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11951

agctntgtgt atattaaacg acaataactt tttactcgga tgtctgattg agtcccga 60
tatatcgaga cgctcgaaat tgaataccga agcgctaagc aaattcaa gacaaaaact 120
ttttactcgg atgtctgatt gagtccgta atatatcgaa aagctcgaat gtgaatgtag 180
aagctctgag caaattcaaa caacaataac tttttactcg gatgtctgat tgagtcccg 240
aatatatcga gatgctcgaa atggaatacc gaagctcgga gcaaattcaa acaataataa 300
ctntntactc ggatgtccga ttgagtcccg taatatatcg gaacgcttga aattgaatgt 360
agaagctctg agcanattca aacgacaant aacttttact cg 402

<210> 11952
<211> 357
<212> DNA
<213> Glycine max
<400> 11952

tctacattca atttcgagct tttcatatat tacgggactc attagacatc cgagtaaaaa 60
gttattgtcg ttggaatttg ctcagagctt ctacattcaa tttcaagcgt tccgatatat 120
tacgggactc aatcggacat ccgagtaaaa agttattatt gtttgaattt gctccgagct 180
tcggtattcc atttcgagca tctcgatata ttacgggact caatcagaca tccgagtaaa 240
aagttattgt tgtttgaatt tgctcagagc ttctacattc acattcgagc ttttcgatat 300
attacgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat ttgctta 357

<210> 11953
<211> 404
<212> DNA

<213> Glycine max

<400> 11953

agcttatgtg ctatttcctt acgaacgttc acttgcacaa gacatcctat caactaagaa 60
aaatgcaccc atatacaatc aaggtagctt cattacctag attatttaca tgtacttcca 120
aggtgtatgt gttatttaca tcacacacgc ctccttggct gaatttacat acatgcatac 180
tcaaagcatt ttgggggtacc aaaaactgca catgcgctca tcttgggtatt tctaataccc 240
ctacatatac aaacttcacg atgaatcttg actacctaca caataaggtg ctacatttca 300
tgctcttttt tttcaagttt ttgctaccta aagccacatg caaattcaag catattttcc 360
tttgctgact aaaattgtat tcaaattaga aggcataatat tttt 404

<210> 11954

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11954

cataggctac atgccagcta actttgcgga tctcgtcttc gctgataaag gattgaatcc 60
ggactacgaa gaggcaagtt caaatatgct gccaatatgg cccccaacaa caacagaaga 120
gccccagtag tgggcgcgag gaaaaaggaa ggagacgccc acgcgggtcac caccgccccg 180
acgtggatga aagcacccca aaatatccaa agctcatacc aaccaatcc cccaaatttt 240
ttaatccgag ctgggaattc cctcccgact caagtaatag gaccactcgc agcagaaaga 300
gcgccggcac aacgcacagc tccagccgca ccccgccag ttaataatac agcccgcggc 360
gcgacttata gatatgcaca acacccgccc ncgaaagaca acttctctct attccatgga 420
tactccaagt atggcctcat tattggaga 449

<210> 11955

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11955

agctnttttc tcacgtatgc aactattgtc aatctcatat cattcaattg gaaaagattt 60

gacaaagtgg attggaggta aaagttgaca ggttgatgtc tacggaaaca agagaaaagt 120
 aaaagagcaa aacacaggcg tattttgata agtttgagtt attagtaagg ccacaaaaga 180
 gatacgtcag gataatTTTT aaaggaattt ccaagccaag aggacaatgc cttgatgcac 240
 caaagaagta atgcataaaa gaagacccaa gagggattaa atgaatgacc aaagcctcaa 300
 ggataaatag atagagcata atatcatcat tcaaaatatt acacggtaat attaaggggt 360
 tcaaaaggac catcaaattc acatgataat ctaacacaat aaagaaa 407

<210> 11956
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11956

acactatata agacacaagc tccaccactt ccgactaaac ttccagctgg agtcatata 60
 ccncttggtg cttggcctgg tacgtatnaa ttttcagaat attgctgtct ggTTTTTgt 120
 ttgcatatcc tgtttttaac tggcatgttc ttttctctg taactgcaaa aaaatattta 180
 cttgctgagt ggcttctaac ttttaataatc ttttaacaatt ttttaattaag gaatgatgcc 240
 cattgctgat tgcataaaca aatgaattgg aatccttcca atcctttgaa taacttctca 300
 tgctatcatg catgaggaat atagtgaat tttattcata tgccgacata tataaattct 360
 tgacccaatc aagtatgtta ttaacttatt atctattagt atgaacgtct ggTTTgaatg 420
 ttacatttca tgt 433

<210> 11957
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11957

agctngtang atgaagtgtt gaagggtgaa acttgctact tttattgttg accacagagt 60
 ggtacctgga gatatgtcgc gggggtcagg agacctttgg gacgtcagggt ggggtgctat 120
 tgcccaaac caagcttgac caatcccgac ccaccccggt catagtcggt cagtgagaac 180
 ctgtgatgta cctaaacagg caagctcctg gcagtcaaca gataaaagga acaaagacca 240

caaagcaagg aggcttgtgg tggctggcca gctgtgaatt ttgtgtgata tgtggattat 300
 ggcctctggg aatcgattac caaggggtggg tgatcgatta caaggcttaa aaatgaagac 360
 aggaggctaa gatgggtctct ggtaatcgat tacc 394

<210> 11958
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11958

gatcaactag cccgcaggtc cattatgata agacggatgt ggaacatgac aggaggatcc 60
 aactggaaaag gctcatttaa gaagaaatcc agagatatga aagataggga gaatagttca 120
 atgatttagt atgaatgcat gaagcaagggt gatgcaatcc tactattcgc tatcggcaag 180
 tgcaccggat tgcataagta gtataaaaca gtaagaaccg agtatcgaac tctcgaggaa 240
 cttgtgttac ttggtaagct attgtagcga ataagtgtct ggtgtgaaaa tctaagtgtg 300
 aatatgaaca tgtatgtaaa ctatctatgc ataaaggaag atcatgcgag aganatgt 358

<210> 11959
 <211> 406
 <212> DNA
 <213> Glycine max
 <400> 11959

agctttcttg ttagattcct aaagaagcta gaacttagct acacacacct ctctaatagc 60
 taagctcacc tccttgagat gagaagcttg aacttagcta cacacccccct ataatagcta 120
 agctcacccc catgaaaaaa tacatgaaaa taaaaaaga aagtcacctac taaaaagact 180
 actcaaaatg cctcgaaata caaggctaaa accctatact actggaatga ccaaaataca 240
 aggccataac gaaggaaaaa acctattcta atatttacia agataaacag gctcatactt 300
 aacccatgag ctcaaaatct accctaaggc tcatgagaac cctatggcct tcccttggat 360
 ctctggccca atctacttgg agtcttctat ccaatgccct tgcggg 406

<210> 11960
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 11960

catactgaat tgagtatggc gcacacattg catgtttgat attcctttta gaggtttgaa 60
nagtgcctaga gaacgagctg tattttctgc gttntctgga aaacgcgatg aactcgctaa 120
gcgagcatgc tgcactaagc gagttcatca atactcattg tatgtaagtg ttatctaaag 180
aactcgctaa gcatgcttac cgcgctaaga gagttcatcc tttgaggatg aacactcatc 240
ctcttgctga actacttttg gctaagcgag gctgaatcgc taagcccagg taacttaacc 300
catttttttg gtgatagtta tgcactaagc cgagcattcc tgagccaagc acaatngggt 360
gcagcgccg ctgagctaag cgagcttcac tcgctaagct cccaacactt 410

<210> 11961
<211> 400
<212> DNA
<213> Glycine max

<400> 11961
agctttttct aatacataat atcgtaacta caaaagtcaa aatatataag tctctacata 60
ttacagttgt cttatacaca ttttcatact ttaaaaatat tctataattt tttgttgta 120
atattataaa aaattaaaag cataaaatag taaaattaat ttcaatttat tcttttttat 180
ttcttataat tctttcattc atttataaaa aaatatatga aaataatacc tattttttga 240
aggaggcaat ttatttttat tacacatata caaataatat ataaaaaaat cataggaaca 300
attgctccca gggtactatt gtctatccgc cacgtgatgt aacattaatt aaatttgta 360
tatcatatca tttataaatg tgcattaata ctttacgaag 400

<210> 11962
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11962

taataccttg nttagattct aggagagcat atggttcaag gaaaatttac tctaaatttg 60
gggggaggaa agtcaattag aatgaaaaga aaaagggttaa gcatcagcac acacaacaaa 120
taagttgtat gtcaaaaaaa aaaagataaa aaaaataact tgtgctgtta caaaaaggtc 180

gaaagcaact taagataagg gaatagtgag aaggctatct gtacaaaaca agaaaagatc 240
attgngatta gtctaggact tgtgctctct tagaatctaa acttttgaat cctaganaaa 300
ccagtgattn ttatgtagcc acaacctcac tacaagcttg agaaaagtct tctgattttg 360
tttatatatc tctgacttga tgacttgaga tgaaatgcan agattggacc tcctgttagt 420
tggtatcaa 429

<210> 11963
<211> 377
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11963

agctnnatgc atgaccacca atgggtctata tatatgtgac ttaaacacga aattactcag 60
agattttcag aacaacaaag tgtttatact ctcaaagagc aaattcattt tatcctctta 120
agaattcctt ggccaattca attgcaattc attaaggaat tatttgagtg ctcaatctgt 180
aaaatccatc tctttctaga gagatttggt cttctctctc ttctcatttt ctaagggatt 240
aagagactgt gagtctcttg ttgtaaagga tctctaaaca caaaggaagg attgtccttg 300
tgtgtttaga acttgtaaaa ggaatttaca agatagtgga actctcaagc gggttgcttg 360
gtgactgaac gtaagca 377

<210> 11964
<211> 378
<212> DNA
<213> Glycine max
<400> 11964

ctttaagatg agtaaataaa aatctatagg agaacatttt tacatcttta acacattaat 60
tcctgagggg cttaacattg atgatactat aagcgatgag gatcaagctt ttttattatt 120
gtgttattta tctaaaatgc atgcatgttt cacagaaacc tcactgtttg gaagagactt 180
tttgtctctt gatgaagtat agactacttt gaattcaaaa gaattgaata caagaaaaga 240
aataaagtcc tctgggtactg gtgaaggact aacagcatga ggcagatcat caaagcaaga 300
caacgacatc acaagatagg atctaagcca caatagaaga gtagcggagg aaatgttctt 360

aacatcacgt gttatcac

378

<210> 11965
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11965

agcttcctta tcacaagcaa atcctaaatc ttacatttta atatataatt gcttaccatg 60
tcatttatatt ttttatattat ttttgggtaa agaaatggga gcaaatatcc aaggattgta 120
gggaaaatgc aatagatacc tgaattgggc aaattgaagg tagtgatatg gagtttcgag 180
cttcacctc gggataaact gggaagctgc acacatactt cattaactga taagtgacaa 240
acttattgtg aggtacatgg gcagaaaaca gatattctta ccaagttgtg aacatacatc 300
agtttttttg tacaatggca acaatgaggt ttaaacctaa gactntatgc aaatactgaa 360
attccccacc actatgtcga ctccagtggg ttcatgaatg 400

<210> 11966
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11966

ggcctctttt tttgatttnt gacatgnacg gntcnnnnn ttngnnaac aacggcaagg 60
nanngcaaga cgggcaacga ancaacagac attaatttgg tttatatgac gatggcgaca 120
agcagagcgt ggtataagac ttaatcttac acacccgacg cggcaaaaaa cggccagcta 180
atcttcacta caggggattc tacgagcaca tcacaccgt acttaggaat gcgaggtgaa 240
attagaaccg tgctgactta cgaattgcaa gacataccat actgcgaagg ctgatataca 300
tcaatggaaa ctaacaagta cgaagcgatt atattggacc cgcacagtag atgcagtaga 360
aactttaact aaaacaccaa aacaagcttt taaactggta gcacacctag gaccggatta 420
ggatcagact acagcgacag taataggaca acgtagagcg tagcagacca agaaatgaac 480
cag 483

<210> 11967

<211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11967

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agcttgttgt attatggggc acccgtcata tgtggtacta ggtggcgatc gggcgatggc 60
acaaatcaac tctccactt ccacaagtca aacataaaca caccatcccc atttgctcac 120
ctttcaactg agctcacgca ctctacgta gcccttatcc ttgttctct cagcaccggg 180
tccctatcaa cccctccaag cttccacaat atccaagcaa ttcaatttca tttatcatga 240
agctacccta aaccaagaaa acagagtaga ggcagaaaac tctgccc aaa acacattcaa 300
ataccacagc tttccttact catatacccc agtaacattc tcttcgttcc aattcattaa 360
ccgttggatc accttgaaaa ntttactgga gggttcctagt ac 402
```

<210> 11968
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 11968

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acatagttaa aggaagctga cttggatggc tgaaattgga tgcatagaag gaagcaagga 60
gagcatgtag agagtgagag cacagtgcag agaaatagca ccaacataat gccaaaatgc 120
agtttaaaag caaaaatgaa aatgtaactg ccaaaggcag ttatgcctta tttttggcag 180
tttogaatgg ctgccttaac gtgccaaactc gctaagcaag catacatgat gtttaagttt 240
ccaaacactc gtgcttagcg ggcaaactcg cttagcccat tgcacatatt caaaatttcc 300
agagaag 307
```

<210> 11969
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11969

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agcttggtn ttcacctatg gagattttga attaaggggg tgtgttagtt ataattcaca 60
atactagttg taaagtttgg tagtttgttt agttagttga gtgtgataag acagtgattg 120
```

aggctgaact tgagttgtat aaatagcctc tgtgtaattt atttcataat gcaattcatc 180
tcattttagt atatgctttt tcttggtttt ctctctttct ccacaacata gattaggtac 240
ttattacaat cattagatct taaaaaata tatgatataa atgatgagta actttaaaat 300
cctccatcta ttactctgtg ttggctacaa cgatcagaga atg 343

<210> 11970
<211> 307
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11970

ccaagcattg cagtggatta caagaggaaa cataccttct ccatagaagg tcanacaact 60
ttataacctt gttataatca atttaagaac tatgtgtgtg aggccaaacc ttcggaatca 120
ctaagacact ctgttatcta gaagagacta agacttatct gtcttcttga actttgattt 180
cttgagctag attcggactg taagaaactg ttgagttgct atcgtcttgg cgtcacttca 240
tccttcatac acctacattc acattctatg ccttattact gatgacaacc aactaagatg 300
atttact 307

<210> 11971
<211> 388
<212> DNA
<213> Glycine max
<400> 11971

agcttggtttt gtttaagtgt tgaaggggtga aacttcctgc ttttattgtt gaccacagag 60
tggtacctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcagg tgggggtgcta 120
ttgccccaaa ccaagcttga ccaatcccgga cccaaccggg gcatagtcgg tcagtgagaa 180
cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaaagg aaaacaagac 240
caciaagcaa ggaggcttgt ggtaggctgg ccagctgtga atttgtgtaa tatgtggatt 300
gtggcctctg gtaatcgatt accaaggggtg ggtaatcgat tacaaggctt aaaaatgaag 360
acaggaggct aagatggtct ctggtaat 388

<210> 11972
<211> 418

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11972

actcagctcg agagatgctt aatggaggat aagaagagg agagaagtga gaggnngggag 60
cacganattg aaggaatgga agatgtatag aagtggaact ttgaagtatg tctcacaaga 120
ctctcattca tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggtagc 180
ttccttgaga agctttcttg agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240
gagaagctag agcttagcta cacacacccc tctcataact aagctcacct ccttgagaag 300
cttcttaag aagattccta aagaagctag agcttagcta cacatacctc tctaatagct 360
aagctcacct ccttgagatg agaagctaga gcttagctac acaccnctt ataatagc 418

<210> 11973
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11973

agctngcnat tcatggnaac tcctaataac tcccacactc tttggagtgg gccattcttg 60
gatggccttg attgtctgag ggtccacttg gacccattt ctaccaacta caaacctaa 120
gaaaactata ttatctacac aaaaggtaca cttctctata tttgcataga gggcggtttt 180
cctaaggact gaaagaactt gtctgagatg tcctaagtga tcatctacgc tcctactata 240
cactaaaata tcatctaaat aaacaactac aaatctacct atgaaatccc ttaagacatg 300
atgcataagc ctcataaagg tgcttgggcg attagttagc ccaanaggca tcactagcca 360
ttcatacata ccacacttgg tcttgaaagc acttttgac tc 402

<210> 11974
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11974

cacatagaaa ctaagctagg cgctacttctn tacgagcgtt cacttcacaa gacatnctga 60

ttctaagaaa acgcgcccac atacggtaag gtaccttcgt tacctacac atttatatgt 120
 acttccaagg tgtatctggt acctacatca cacacatttc ctttgctaaa ttacatata 180
 tgcatactca aagcactttg gctatcaaaa attgcatacg tgcacattct ggcattttcta 240
 atacctatac atacacaaac ttcattgatga atcttgacta tctacacaat aaagtgtac 300
 atttgatgct tctttcaagt gtttttacta cctaaagccg catgcaaatt caagtatata 360
 ttcttttget gacta 375

<210> 11975
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11975

agcttcnctc catttatcta taaatagggg gagaagagaa atgaataagg gttcagcccc 60
 ttacgcactt ctctctcttt cgaatttgct tggaaaaatt gtctccgtga agaaaatcta 120
 agccgaggcg ctccgcagcg gcttccgaaa cgtttccgta agcaatttcg cgaagggtgc 180
 gaccgttctt cgacgttctt cattcggttct tcatcgatct tcgatcttca acgagtaagt 240
 acctogaacc aaacttttcg attcattcta tgtaccgag gtggggccaca ttatgtatca 300
 tgaattttta ttgtcgtaac attcactata tatacacgct cttgacgcgc tt 352

<210> 11976
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11976

agaatcaccg ggacgagttt tctctgtagc tgnacaacng gttcagccgt atcttataaa 60
 tctatacgac gcatacatgc ggaggggcta ataccaagaa tgtgtaccaa ggcccatcct 120
 atatccttct tatagcttct tgagaactaa taacagctta tactcttgct catcggaag 180
 ggaggaagat acaatcgctg gaaaactctg gctatcatca gagtaagcat actgtaaata 240
 agatggcaga ggctttaatt ctggtgtggg cagctggata atgcgagaaa gagacggttt 300
 ctcacctgt acctcataaa gaaagtca 328

<210> 11977
 <211> 494
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11977

 aaaccatcgt gggttagggtg ccttgatana ccgcngaatt tagctcggac gccgggatgc 60
 tcctntatcg acctgctggc atgccaccct gattgtaatc tactcaaattg tgcacggacc 120
 actaagcatt ggatgtgttg gagcagatct gccgctgagc tgctctctt gtgggcttaa 180
 cgtgaagaag agtgggggtat atgatgaact atgaagattg acgtaggcga cgcgttcata 240
 tgttcactaa gcgagttagc acccgctaag ccgacatata ctagtgtgca caacacacga 300
 acgggggtgag ctaggcttac aagcgtttcc gaagctccct gatgatgcac tgatacagca 360
 tgtaaataca gtattctata ctccacaaca cataagagac tatcgagaga aagtgtgacg 420
 acccagctcg tcgctaccat atcaettacc tataaatatg acatttcaat ttagaaagta 480
 cagcctcatt aatg 494

<210> 11978
 <211> 387
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11978

 tgaagtgatg aagtgcggaa gggtgagact tcctactttt atttgntgac cacagagagg 60
 tacctggaga tatgtcgtgg tggtcaggag accttgcgga cgtcagggtg cgtgctattg 120
 cccagaacca agcttgacca atctcgaccc atcccgggca tagtcagtca gtgagaacct 180
 gtgacgtacc taaacaggcg agctcttgac agtcaaccga taaaagaaca tagaccacaa 240
 agcacggagg cttgtgtggt ggctggccag ctatggatct tgagtaatat ttggagtatg 300
 gcctctggta atcgattatc aagggtgggt aatcgattac aaagcttaca catgaatgca 360
 ggaagttaag atggcctctg gtaatcg 387

<210> 11979
 <211> 405
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11979

agcttggttt tatacttctt gataataggc tgccacacaa cccagctttt agaactcacc 60
cctactggaa ttccaagata agagaaagga atttccagtt ggctacaatt aagaaattga 120
gctgcatccc tacaccaacc ctctgatttg cccacataac cgaaatggct ttccaaatat 180
tcagatagta ttcttctatg tttcttggca tagctttcca atttgggaca tgataggtgt 240
atagaatggt gcttcatttc atgtaattgt agaccttaata gggcagttgt gttgtctctg 300
ttatgctttt cctttgccaa tatgtctata tagttntgtg ggtacattaa gtcttcaata 360
gtttcgactt gctagtcatt agttattgtc tttgtgatgt tctga 405

<210> 11980

<211> 279

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11980

gatcactaag cgacagctta tcagtggcta agcgagtcnt attgtcgcta agcgcgaaatc 60
cttacggcca tatctgaggt cgataaagct aagtgccagt catggtagct aagcgagatt 120
cattgcggca atatgagcgc taagcgagaa cctctcagct aagcgcatgc tcctctgtac 180
tttagatgca tcattcttagc taagctggcc atagccacgc ttagcgagag ctgcgcgctt 240
ctaatacagca gacctcgcta agtggacgta ctctcacgc 279

<210> 11981

<211> 401

<212> DNA

<213> Glycine max

<400> 11981

agcttttgat tttccaagt ccaattcgtc ttcttcttta gtccagtctt cttctggctt 60
caattcatca gtgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120
gacagctttc caggttctgc tatccagtga tttgagaaag gccaccatcc ttgctttcca 180
gtattcatag ttgatgacag cacctttgtc aatgatatttc ttcatgcctc ttaagtgcag 240

atgtccaaat ctttgatgcc atattctgac ttcattcttct ttggaggata gacatgtgga 300
ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc tgctgccctt 360
cattagaact tcaactcttct catttgtcac caagcattct g 401

<210> 11982
<211> 490
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11982

gatagattga acgaatctag taactaatgc cagctttaat cgtatgtatg gatagactaa 60
agcagagagt gatcaatata aagaggctca caggctgtgg tcatgttggtc aagtatcaaa 120
tgatgtgaaa gaaatgctat tcaatggaca acaatatata taggagatat gataaacata 180
tgaaagggaa aaggaaaagg aaaagtaaga aagcaataga catgttaagt tatgtaatga 240
ggtaagtagg aaaaggaata atgaaatgga attaacacaa acattataga aaaatgacta 300
tattatttta taagttaaca attatttaaa aaatagaata taagtgatac tctattctga 360
atatatacaa aagaattaca cagtcagata acagaaatga gtatataata atgttctctt 420
cgttcttcta cactatatct atgtcttnca atggattatt cacaattgca catatataat 480
actcatctta 490

<210> 11983
<211> 373
<212> DNA
<213> Glycine max
<400> 11983

agcttgctca tagagggtcca ggaaggacaa ggcggccgaa ggaactagtt ccgccccgga 60
gtacgacagt caccgcttta ggagcgttgt acatcagcag cgcttcgaag ccatcaaggg 120
atggtcgttt ctccggggagc gacgcgtcca gctcagggac gacgagtata ctgatttcca 180
ggaggaaata gggcgccggc ggtgggcacc actgggttact cccatggcca agtttgatcc 240
agaaatagtc cttgagtttt acgccaatgc ttggccaaca gaggaaggcg tgcgtgacat 300
gaggtcctgg gttaggggtc agtggatccc gttcgatgcc gacgctatca accagctcct 360
gggatatccg atg 373

<210> 11984
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11984

cggagaggat gcttcaatgg aggataagaa agagggagag aagtgagagg ngggagcacg 60
 acattgaagg aagaggaatg gagagaagtt gaactttgag ttatgtctca caagactctc 120
 attcatcana gttacaacaa atgttacaca tgcttctatt tatagactag gtagcttctc 180
 tgagaagctt tcttgagaaa acttccttga gaagcttctt tgagaaaact tccttgagaa 240
 gctagacctt agctacacat acccctctca taactaagct cacctccttg agaagattcc 300
 ttaagaagat tcctaaagaa gctagagctt agctacacat acctctctaa tagctaagct 360
 cacctncttg agatgagaag ctagagctta gctacacacc cnnctatata gctaagctca 420
 cncccatgac aaaatacatg 440

<210> 11985
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11985

tttcaccttc tcgctaagct aatctgttgg cttagagagc ttccgctaag cgcaccactc 60
 atgggctaag tgtgaggaag actctggaag aagatgagct atataggctc actaagcgca 120
 ccgcttcac tcatccacta agcgagaaag gcacgcgcta agccgaaatt cactaatgtg 180
 cgctaagcgg tccataattg cactaagcgc acgaactcga acaaggccac ctattgatgc 240
 ctgaaatcag attgtagaga cggagtctcg actgggattc agatctttgc atgtctagag 300
 tttctagaga gagaaaggtc caagttccaa agagtcttga gagattntgc tgtgtgaaga 360
 tctgcagaga ccagagcttg 380

<210> 11986
 <211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11986

tctcgacata tgatgcgccc gaatcggaca tnccgtgtga aattatgacc atttaaattt 60
 cgcgagagtt tggcgatggt taatttcgag cgtatcgata tattataagc ctgagtcgta 120
 catccgtgtg aaatggtatg accatttgaa tttctcaaga gcttctgttg ttcaatttcg 180
 agcctctcga catattatgc gcccgaaatcg gacatccgtg tgaaaagtta tggccatttg 240
 aatctctcga gagtttccga tgtttaattt cgagcgtatc gatataattat aagcctgaat 300
 cggacatccg tgtgaaaagc tatgaccatt tgaatttct 339

<210> 11987
 <211> 598
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11987

ccgcacggca caccgagcga aggagcgtat accgtgataa gatgagaaca agcgaatata 60
 caagcaaaaca canatatatn tatnttaccn caaaaagaga gagcaggggn tccggacccc 120
 cctcgnacac ccacggngaa nanaagannn gnangagga gananaaaga gaagaaggaa 180
 gangaaagag ttgtttttta tggatgaagg annaaggann gaaggagaga gaggagaaga 240
 agagaaaaaa gggaaggana agagaggagn gaagagaaaa atagaaaagg ggggagagaa 300
 gggaaggaaa tggagaatgg aaaagggtta aaagagaaaa agagaggaag agggggagag 360
 aaaaatagaa agagagaaag aaagaaggag agggaaaagg gaaggagaga ggtgaaaaag 420
 tgaggaaaag aagtggatgat gaagagaagg ggaggaagaa agagaaatgg agggaaaaga 480
 gggatttgag agaagagaga aaggaatgat ggaaagggag agatagagag gaggaaaaga 540
 aaaagaagat agggaagaag aagggaagg aagaagagga aaagaaaaga gatgagag 598

<210> 11988
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11988

tggatttgag gtttaagaac cattattcac ttctgatcta acgaanacac tgtttatcgg 60
 tgtatgtatc tgaaggtcag tgcgagtaag attattttct aattctgtat attgatgata 120
 tcttgcttgc agctaatagat cttgggtcttc ttcatgagac taagacattg ctctctataa 180
 actgtgaagc gaatgatatg ggtgaggtaa cctatgtgat acggatagaa atattccata 240
 gtagatcaca tggattcgta cgcttatctc agaaagtata tatatcgatc aagtgctaga 300
 gagatttaag atgaataggt gtttaacatc gcctattcta atttagaaat gagacagagt 360
 tagtcttgca caattgccta gaaatgatat ggaatg 396

<210> 11989
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11989

agcttggttat aaaataaata ttgaatggtg gattaagttc tgcactattg aactacttag 60
 acaatattaa aatactcaaa gctataaaat atgacaacta tcaagataat cgcgttgggg 120
 agttcctact aaaatatctc ttgccgtata aaagggtttt ctctatttaa cgctacccta 180
 gtgttcttac actgagaaaa tacttagacc atgactctc acatgaatga gcctaactct 240
 cttagctttt gttcttgatt cctcaacaaa cttgctctaa cagagttgca ctaagcatac 300
 agtgtaaaat atactagatc attgcaactc attcctagac atacaaattt ctagcttact 360
 ctatcaagtt ctaaggtttt aaagaattnt ccaatacta 399

<210> 11990
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11990

agcaacgctg ttacgacgga ttcaangcaa gncnnncncg tangttagaa acccaccctt 60
 agtaaagtgt ctcttgcaact acttgntntg ttgtattaag cccagatgaa agaagggatt 120
 cttcagtgcac cacagttttg taattcggct gctcgaatta ttttgtcata cgaaaataca 180
 aattgttgat aaagcgctta taacatgaaa ttcacagatc aaaatgatta agagggcatt 240

tggaagaact ttcacagagc ttttttgagc ttctcttatac aattattgta tgaactccta 300
 aattttaaata tgaagatgtg tggttaagct tatgataatg gcttatggcc cttctataaa 360
 ttctttcttg ctcatcacia taagtttatt gaattaagct cttatgatata agtttctcat 420
 ggaanaaagc ttttataatt atantaggac ttanataagc ttttttccca agcgtgcaat 480
 aagtccagag acaattcg 498

<210> 11991
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11991

agctgngtgn tntgcaattc taagacacta gagagcgggc aagtatatga catgtcccac 60
 ttgtactttt tctatctaata ttgcatcctg caaaatcaga atatgaaaaa cctgttatgt 120
 ttaaggagggt acctttaaga taccacataa gcaaacactt agcatgatata ccaatctact 180
 tgcagatagg tagagaagcg attcaatcat acctctgtat cttgattcat ccactaattt 240
 acctttctca tcaaacgtaa ggtaggttga tgtagacata cgagtaaata cttctttgca 300
 ttttttcata ccaaatttct ctatcgagtt tatgcaatat ttgagttgac tgaagaaggc 360
 tccatgtatac aattgcttga c 381

<210> 11992
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11992

tttgagaaca ctnnttagtt atgctagagc ttagctacac acacgcctct tgtaactaag 60
 ctcacctcct tgagcaagct ccttaagaag agtcctatag aagatagagc ttagctacac 120
 atacctctct aatagctaag ctcacctgct tgagatgaga agctagagct tagctacaca 180
 ccctctacaa tagctaagct ccccccatg acaaagaaca tgaaaataca aaaaaaagt 240
 tcttactaca aagactactc agaatgcccc gaaatacaag gctagaaccc tatactacta 300
 gaatgggtcaa catacaaggc ccagaggaag gaaaagctca tctaatatnt acatagataa 360

gcggcgatcat acttaggcca tgggctcgga atctacccta atgctcatga g 411

<210> 11993
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11993

agtttctant atgttgcat tcttccttga tgetcaattc gagctcaa atccttgg 60
ctgaaaaact gagtcttctc cagaacatat ggattgaatc cagtgggatg caaccaacaa 120
catatttggga tagctcacia gcacaaggaa gaccgtgcgt ggttctcatc acacaaccac 180
aagtggaaatg attcttgcta gcatagtga catgctcaaa ttcagcagca atctggttta 240
aagcatacct tgaaccatt ccaagaagcc tctnttataa gggttttttt aagacatgtc 300
caacgacatg tgcacttggt tcaaatgata ctctaatttt cgtgtgttgt agcgtcatca 360
tgttgttcat ggcattccag 380

<210> 11994
<211> 394
<212> DNA
<213> Glycine max

<400> 11994

catgttatcc atgttgctc ctctatctct aacagtgact acaggacaaa gttaacaata 60
agccgggaat gtattaatgg catgatatgg tacctgcatc aacttgctat ctattagaag 120
cttatccaca taatcttgat gcaggatcaat aagcacgcta aaacttcttt aacatgaatt 180
cggagagagt ttatcaatgt atgatgcgaa cctgattacg agcggaatgt ttgatacatg 240
ctatggagtt ctggatgacg ccacttccaa agagggaaga taagtcatgg tagatgccac 300
ttctgggtgaa tgaagataag tcagggtaga cgccacaagg attaccttga taagtctgat 360
aattgggttca acaaggaacc cagagagaaa ctct 394

<210> 11995
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 11995

agccacttgt gnttctggtg aagcaaaagc gacatggcgg ggacatacca gaacttgatc 60

tgacttacaa agccatggaa ccagcagagt gactttctgc tttgcaaatt ctgataaata 120

tgcacctcga aatagtgggt atacagctct tcccgtcac caaggaagac tagtagttgt 180

cactattgca acatgtctct cattggccaa tcacaaaaca agctttctac tatgatgcc 240

cataagtttg caatgcaatc agatttgaat aaattgtgaa aagagaatag catatcgaat 300

gaatcttaac ttgtataaac taactgactg tctagaaacc tactacagaa aaagcataga 360

tctaactctg ncagctcatc aataattgat attgcaccaa a 401

<210> 11996

<211> 497

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11996

ngccactcta aactgggngc tagcactntc gngccactct tagaatacta acgctatgtg 60

ctntacacca aatagacacc aaattcctct taccttatat cattattcaa agataaccca 120

actacctaaa gaactttgac ctgagtgaac aattaattac cttggcagac ttagtacctc 180

acttcttagt agtagttttc ttaaataagg tagaaacaac tggctcaggg gcaggggttc 240

aacaagtcga gccgtcaaaa gtttacagag tgtctctcgt ataacttttg taggcacagc 300

atcttctgaa agtacatggg ttaagattga ataatttgaa aggattcatg actttgagac 360

atatagttga gctcaactgt tttaaatata gtactttcaa catattattc ataatcaaga 420

ttatgtttga ttaaattcaa tatactgttc aactataggt ctagtaataa atctccctat 480

aacgaaatnt agaaagn 497

<210> 11997

<211> 222

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11997

gagagaaatt gaactctgaa gcgcgtctca caagatactc attcatcaaa gtaatgacaa 60

ttgagacaca tgtgtctatt tatagcctan tacatgggaa gcttccttga ccagcaacga 120
 aggtagcttc cttggcaagc taggaagaaa gcttccttga gaagctagag gatggctact 180
 cacaccctc caatagctaa gctcacccca tgccaaaaca ca 222

<210> 11998
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11998

cataacgaag tancgagtag nncacttaga aactaagctt aaattgaata aaacgttcat 60
 aactgctgga atttttatca ttatgtgtaa tcgattacac aatgcagatt gtgaattcaa 120
 attttaatag ctgttgtaaa tcagtgttgg ccaactggtaa tcgattacat cctctggtaa 180
 tcgattacca gagagtaaatt ctcttgaaaa agacttttta acttaaattt cttggccaaa 240
 ccttttgcta cttcaatagg aattcccttc ctattttaat atactcttcc taagactcta 300
 gaaactgtct tgatcgcca tcttgaatat ctttgtcttg aataaagctt tgagaaacat 360
 gtaacccttt ggcaagcttt ccctttggca tcatcaacac attcagcttg atcatttgtc 420
 tacattgtga acaacatttt aatcaattct atccgagtat ttatgatatg ag 472

<210> 11999
 <211> 405
 <212> DNA
 <213> Glycine max
 <400> 11999

agcttgaggt tgtttgttaa agcaacctta tgtaaatgcc ccctattgat gccatcaaaa 60
 taattgaaga tgtgttctaa ccccccccc cccctacaa caactcatgg gataagagga 120
 ttatgaagag aggcattcaac caggtggata aagatgaatc cttaaactgaa ttgggaaagc 180
 agatgtaggc tcaacaatga acattgagac actcatgaga gctcaagctc aagttccaat 240
 cgctacacct ccattcccaa cctatgatag atgtcagatt gtgcatgggc cagaagaatg 300
 cactattgat gataagctag ttgtagccat gcttacggga ggaacaattc ttataatttg 360
 taccacaaaa atttcaatca aggatagggc tttaagcata attac 405

<210> 12000
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12000

ctgcttagat tgtgggtctca gcctatctat gacaatgnta agctaagatg gctcacagag 60
 tccatgggtg gtgctctttc ttaaccaacc tctaaacctc tccaatgctt cacttaagga 120
 ttcatcangg aactgatgaa atgatgaaat tgcagctttc ccttctgtag tctttgactc 180
 ggggaagtat tacttcagaa atatatcaac aacttcttcc cacgtcttta gactgctacc 240
 cttaaagtga tggagccacc tcttggtctc tcttgccaag gaaaacgaaa ataggctgag 300
 tttgatggct tcatctggta tgcctgcaat ctttacagtg ttacaaattt caatgaatgt 360
 tgccaaatgt gcatag 376

<210> 12001
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 12001

agcttgccat gattagaggc gtcggggctca cgagctatgc ggatacctaa tgctccatt 60
 tgcttgggac gcgtgactgg tcttagttcg caagattcca acccttcgta taccagaaga 120
 agaccaaacg aagttgtgag tttttctatc aatggcggca tagattgact aatgcagcca 180
 gaatagctgc ataattgtaca ttggaaggga ggataggaca tatttagcta aacaaagtca 240
 tccagcccta ttcaaaagtt tccctttcca tgaagctagc cttctatgaa ttttatccaa 300
 gataaaatcc aaagattgat ggtgttgtct cccttgacc aaggaaaacc ctagatagcg 360
 gccaaagttg gaaacactcg cgatgccaca aacatccttg aata 404

<210> 12002
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 12002

tgatactatg tatcttctgc atgaatcacc ataccagata ctctgtcctt ctgttgacgc 60

acatctagga gtcacatgag cataacttgaa gctcatgctg caaacattta taatagaccc 120
cctcagcaac acaaccaaca acacgagaat aactatgatac tttcaagcaa tagattcact 180
tcacgctgga gagatcatcc aaatctgaga tgggcaagtg ctgcacaaca acaacaacct 240
ggacgtatatt tgcaaaatgc tgcgtggcca agcaagccat atgttcctcc tccaatacat 300
tagcagcaat agcagcagtt acaacaaaga ctacaagcac ct 342

<210> 12003
<211> 199
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12003

atcngtgnat ttgaactgag aaggcgcaaa ctggctgctt ttattgttga ccacacagcg 60
gtacctggag atatgtcgag ggggtcacga gaccttgggg acgtcaggcg gggggctatt 120
gccacaacc aagcttgacc aatccccacc caaccggcc ataccgggc aatgagaacc 180
tgcgatgtcc ctaaacagg 199

<210> 12004
<211> 399
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12004

ggccgtaacg agcctgatgc tgaccccnnt ngnaaanccc agaggggggg agggaaccaa 60
ccagggtgat tggttacagc gaggaaaagg gggggggggg gagcaaaaaa cccacaacag 120
ccgcgcagag gggaccggaa gcggcgagg cgaaccgacg agggcgaaac ggcaagaaaa 180
agcacgagcg ccaaccgcca cgcaggcgca caggaccaca ccggacagcg gcgcgcccag 240
agccaacagc gaaaaggggg agagcgaaaca nggcgaaggc agaccgaca gagcgggccga 300
ccacgagcac ggacgagcgg ggccaggcgg cccgcgaggg agcgaacgag aaaaggcgga 360
agacgagaga agggcgggccg gggagcccaa aaagcgggg 399

<210> 12005
<211> 401
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12005

agcttggttat tcaatatacct gatgatgggtg ttccatatgt tctcaagact ggactaatac 60
atttggtgcc caagtttcat ggtctcgag gtgaagatcc tcataagcat ctttaaggatt 120
tccatattttt tttccaccat gaagcccat gatgtccaag aagatcatat ctttctaaag 180
gcttttcttc attctctgga gggagtggca aaagattggc tatactacct tgctcccagg 240
tccattttca gctaggatga ccttaagagg gtgttcttgg agaaattctt ccttgcattc 300
aggaccactg ccatcagana agacatttca ggcattcagga aacttagtgg agagagcttg 360
tatgagtact gggaaagatt caagaaattg tgtgcaagct g 401

<210> 12006

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12006

gagagcatct cttattttaag catttcagcc ttnggttttc ttgtagctct aagaacaatg 60
ccatgtgggtt ttctttcttt cttccaaatc catttctaaa gttccaaata ctttctccat 120
caccacatc caccattagc caccacaaac catcattggt ctccattgaa aaccacacacc 180
gagaggaacc cttcaatcga agcagaattt ccaacttggc ttgcgatttc ggtagagaac 240
gaacacccta atctgatctt tcatntctt tcgaggtaac catggntcta tgcttgnttc 300
ttgttagttt catcttgtct ttgcatcttt tctaactttg caaccgcat tgcattgtct 360
atngcttctt tgaaaaacct tagagaaaga gaacttgtaa acattatcct ttcattgaaat 420
gcatgttatt nttgtaacta cactgaaccc cggcacatt 459

<210> 12007

<211> 238

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12007

agcttgaatc gtacatccgt gcgaaaagnt atgaccatgc gaatttctca agagcttccg 60

ctgctcaatt tcgagcctct cgacatatta tgcacccgaa tcggacatcc gtgtgaaaag 120
 tcatgatcat ttgaatttct cgagagtttc cgatgtttta tttcgagcgt atcaatattt 180
 tataaccgtg aatcggacct cagtgcgaaa agttatgacc atttgaattt gacgagag 238

<210> 12008
 <211> 337
 <212> DNA
 <213> Glycine max
 <400> 12008

cactatagac acacaagcct cggtattcaa tctcgagcgt ctcgatatat tacgggactc 60
 aatcatacat ccgagtaaca agctattgtc gtgtgaatta tctctgatgt tcacaattcc 120
 atttcaagcg tctcaataga ttacgggact caatcagacg tccgagcaaa aagttattgt 180
 cgcttgaatt agcttagagc ttcaaaattc aatttcgata gtctcgatat attacgggac 240
 tcaatcagac atccgagtaa aaagttattg gcgtttgaat ttgctcacag cttcaacatt 300
 caatttcgag cgtgtcgatg tattacggga ctcaatc 337

<210> 12009
 <211> 578
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12009

ggccgcccgc cgacanaaga gaacgagtga agaggtaaag acgcgaaaaa agatcactgc 60
 accgacaccg annnnncnnnc annccannnn ggcagcgcgc catnccccctn ganaccccg 120
 ngagannnng annngnngng gggggnnnnn nnagagnnga nnnnggagaga gggaagnggt 180
 tgttggaaaa gnggaaaggg annagggggg gagaatagaa gaaggagaaa aaaagaaggg 240
 gagagggaaa gaaaggggaag aaggggggag aaggaaataa gagaaggagt agagaaaaga 300
 ggtagaggta ggggaaggag gaggagaaag ggaggagata aaaggaagaa ggagaagtgt 360
 aaggggaatg agaaggaagg gagggggtag atgagaataa ggaaagggaa gaagtaagaa 420
 gagaagtagg ggaaagggat gtagtaggga gaaggagaga attaaagaat ggagaaaaga 480
 taggagagaa aggaggggaat taaaaaggaa ggagaggaga ggagggggag aagggagaag 540

aatgagaaaa gagaggggga aggaagatag aagagagg

578

<210> 12010
<211> 89
<212> DNA
<213> Glycine max

<400> 12010

acctgaaact aatgcacctc gaaattgcct gcaaaagagc gagataccaa actatgatta 60

tatggaggat ttgaagacgg taagacttt 89

<210> 12011
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12011

agctnngtga aacaatattt gctactggta atcgattaca ataaactggg aatcgattac 60

cagagagtaa aaactctttg gtaaaagggt ttgtgaaaaa ttcattgtgct actcaatggt 120

ttgaaaaact ttgaaacttg aaacttgaaa cttctcttga atcttgatct tgaatcttga 180

attgttcttg actcaatctt gaaatcattc tcatgggctt tttgtcatca tctttgttat 240

catcaaaaca ccttgaatca atcttgattc atcatcatga agcaatgaag cttgcttcta 300

cagagaagag aagaatatta ctgcaagaca ggacagtagt gtccattctt gaggaagaaa 360

ctcattnttc tgattcttca tcatctgatt caccatcacc 400

<210> 12012
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12012

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cagctcgccc aggcgagcaa ggttgcttct tccttatttt cagccttctg gaggaatctt 120

ctggagggcc caagtgggcc tgggtgctat ttgcaccctt atttttacta aatacacccc 180

ctgccttttt tttggtgatt cttttttcgt aaagttacgg aaacttatga atttcgtaac 240

gatacttggtt ttctttccgt aatgttacgg aaccttgagg attacataat catccctttt 300
 ttgacttacg gaatgttaag gaacctcact aattgtgcaa cgatgcttcc ttttgatttc 360
 cgggggtgtca cggaacctta cggattgtgc accaatatta tattatgatt tccggcacgt 420
 cacggaattt atcatattgc ctaatgatgg gtgcaagcac cttaaaatga ccaaacacaa 480
 gttgcatgcc acg 493

<210> 12013
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 12013

agctttgttc taattcaaata gacaataacc ttttgctcgg atgtctgatt gaggcccgta 60
 atatattgag acgctcgaaa ttgaattctg aaccttagag ctaattcaaa cgacaataac 120
 tttttactcg gatgtctgat tgagtcctgt aatctattga gacgctcgaa attgaactct 180
 gaaccttaga gctaattcaa acgacaataa cttattactc ggatgtctga ttgagtcctg 240
 taatacatcg agacgctcta aattgaatgt tgaaacctct agctaattcc aacgacaatg 300
 actttttact cggatggcgg attgagttcc ggaatacatc gagacgctcg 350

<210> 12014
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12014

tattatggcc aagcgaataa canagttagg tgccaaatct tggttaaatt aatgtggaaa 60
 ttccatatca attattatgc ttacgcttca ttgttaaaag ctggaccaca caatacaaac 120
 tcaggagcac cttaccatat atatatatat atatatatat atatataacg caaaacacgt 180
 aaaagttgca tcatgttttt ttggttaagcc attgaaatgc attaataaaa aatcgacaaa 240
 gatgtgtcag gtgtaattta aggactccga tatatcattg ttatccggcc gtacttgtaa 300
 tggcagtgaa tgtgaggcat tgttcagtac tctgaggatc acatggaact atgata 356

<210> 12015
 <211> 390

<212> DNA
<213> Glycine max

<400> 12015

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gatggccttg attttctcag ggtccacttg gaccccatth ctaccaacta caaacctaa 120
gaaaactata ttatctacac aaaaggtaca cttctctata tttgcataga ggggtgttttt 180
cctaaggact gaaagaactt gtctgagatg tcctaagtga tcacttaggc tcctactata 240
cactaaaata tcatcaaaat aaacaactac aaatctacct atgaaatccc ttaagacatg 300
atgcataagc ctcataaagg tgcttgggtgc attagtgage ccaaaaggca tcactagcca 360
ttcatacaaa ccaaacttgg tcttgaaagc 390
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<210> 12016

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12016

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tacacaccca tataattgct aagctcacc nctgccnatt acatganaat ataaaaanaag 60
tacctactac aaagactact taaaatgccc tgaaatacaa ggctaaaatc ctatactact 120
agaatggcca aaatacaagg cccaaaagaa ggaaaaacct attctaattg ttacaaagaa 180
aagtggaccc aaccttggcc catgggctca gaaatctatc ctgaggttca tgaaaacccc 240
agggccttct ttagcaactc tagcccaatc ctccctggagt cttctatcca atacccttgg 300
ggggtaggat tgcattatcc cctccacctt ggaaaggatt ntacctcana tcccagaggt 360
tttcatactc tcgactnctt ccctcaacac ctgtaaaaag aa 402
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<210> 12017

<211> 278

<212> DNA

<213> Glycine max

<400> 12017

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agcttttttac attcacgtgc cttatggagc tcagagcctg aacctccgcg tcaaactcct 60
ttgacttccc accaccaccg tgcttgttcc caagcatggg ggtgctactc cagagttct 120
```

ttctccttgc agggacatcg gtgttccaaa tatgcttcac cgcgagttct ttcccattgg 180
aaagagtgc cctgtacacg ttccccgagc ctccatcccc tatgagattc tccgtgttga 240
tggaatctac aatctctccc tccgagaaac tcatcacg 278

<210> 12018
<211> 321
<212> DNA
<213> Glycine max

<400> 12018

gcgatcgccc aataactcca gaggggagta tgtgaacgaa atctctgcac tccacagact 60
aatgccccgag cttaaagtta ttacaccag aaccataatg aaaagtttaa ttcaacaaag 120
aacgaatata atattacggc gacaaaattc gcattgatgg ggaaatgcga tgtcccattt 180
tgccaacatg tgaaagctta tagatgaaac tggatagagg actcactatc agctgcatac 240
atcttgagct gctcaagaac tgtggcatta tttggagcaa ccgatgatgc atcagaggcc 300
agagcgttcc acgaataaac c 321

<210> 12019
<211> 173
<212> DNA
<213> Glycine max

<400> 12019

gcttccttca ccttcttggc tgcgacgct acattgacca tttgtcttcc ttctcgcgat 60
gcttcatttc atgtctgcct gaatgggcct atagcctata ccgtacttgc cacgatgacc 120
ttgggcattt atcagtctag atatgccggc gttggttgtt tctaaacca ttc 173

<210> 12020
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12020

gcaaactctgt cggcgncgct gtcacccct gtgactcacc cggctcnctc ccccccccg 60
gtgcttgacc atgaaacct taatccactc gtgacttatg gaagaaaaaa aggcctttt 120
aaagatttcc tgaatcgtgg cgatagaaga aaacctttgg ccaataaagt ttctttttta 180

ttattattca acttgcactg tcctattgat gaacaaaagg ccctttcttt tgctggacca 240
tctccctcaa gtgaaaaatt gacttgaacc taaatctgct agttgctgcg ttcttgtcca 300
tatcccggtc tctggacgca gggcagggtta gagcacatat tattcaaacc tcgataaacc 360
cgacgtgttc aatgtggtcg taaatcaagc gaccaaaaat gatttactat tatttgaata 420
ccctacctcc agtatgatct tccctatatc acccgaaccc g 461

<210> 12021
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12021

agcttaacct gttatgttga agacttatga naggttttat agaataactc tagcaagatt 60
gttctgggtat ccttttagta actctaattg aacctcttat cagttcaatc acaagtttag 120
tttcgacttt tgtaatccac cagagcaggc aatagttttt tttatccata ggaattgaac 180
acagtaccaa gaggtttact acacttacac actgctcaac tagaataggc aataggtctt 240
tgtatctgta ggaattgaac acagtaccag gaggtttaca acaatcacac aaactgttca 300
atcagaacat gcaatagtag ttctattact tatagatatc catttgccat tatgtcatgt 360
gcatatatat atatttcata tattaataaa aaaaattatc atctatttgc ttatctctaa 420
gttggatttc 430

<210> 12022
<211> 262
<212> DNA
<213> Glycine max

<400> 12022

tacagatggc gggacatgac ctatgtcggg atatttgttt agcaagtggg tcaagaataa 60
aggaatgccc catatcattt gcatgacacg catatgataa tgatgattag aaattcatgc 120
gaaactgatc atagcacaca tccatgtgga cactcaaaca taaagctttg tggccatgaa 180
acacttaggc ttacggtttg ttttccccgt tcaatcaacc cagtggtttc aaacaatgca 240
ctttcatcaa gttatgcaca ca 262

<210> 12023
 <211> 538
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12023

gcgccacgta nacacaaanc gtatctnagc gtatnattan ataaagagat gtgaagacaa 60
 gacgangggc cgcccacccn ncgagcggcg ccatgaaccc tgtagagctg atacatagca 120
 aacggcagan agaagccaag ctgacgacac ggcgcccaca catttgtaaa ggagttacgg 180
 acagggagcg gaaatctgcg atgacaagcc acaaaccac acccctgtgc cgaccacag 240
 gagacgactc ccacggacgg ggaagacgat cgaaccagga ggagcaaca caaaagaccg 300
 caaagcggag atgggaggag agacagacgg gatcgaccag gaaaaagaaa gagagaaaag 360
 cggggcgaaa agccagaaac agagaccac tgaaggcccc ggaggagacg gaacgcgggg 420
 agaatgcgga cagaaaaatt aaagaaagag agaggaggcc ggaaaggcgg ggaaaatcaa 480
 cacatcgaga cagcagcgga gcggcaaggg ggaggaaaga gtggtacaag aagagccg 538

<210> 12024
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 12024

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 aggctaagcg cacggaagaa acagccacaa gatgagttgt ccaggtacac taatcaacac 120
 cgcttcagac catccgatta gcgaagatag gcaaccacta agccgtaaga cgataatgag 180
 ccgcacgcga ttcaaagatg cactacacgc acagcatgag caaacgcacc tataagccag 240
 aatatgatta acaaagacca cagcatgcca tacaatctag agagagacaa gccaacgtct 300
 aacagaggtg agagatccgc cagagaaaa caagaacacc ccacctgaac tgaaccacct 360
 gagactcaga tgatacgcaa agatgtacat ccaaacgcga agagacgacc accagttgac 420
 attcc 425

<210> 12025
 <211> 407

<212> DNA
 <213> Glycine max
 <400> 12025

ctctgcactt gtataattat gctatgatat tgggctttgc tgtgtgtaat tagcttaatt 60
 acgtagatta gatgggtccta atcaaagccc attccttcct tctacgtatc cattatatat 120
 attaatgtag ttagttagtc agttatttca ttctatacaa aaacaaattt aaaaacttgt 180
 tgcggaagtt ttaggattaa accttatctc tcaattgggc ttcatcttc ttctctctct 240
 caactctgtg atacctgtat tcttgcataa attccattgc tctttcactg gtgatgatta 300
 ttgaaggcta aacaaacaat caatccaaag atccactcca tgcaggggtga acttgagttc 360
 tagtttagta ttcaaatttg agtgaatggc atcttttttt cattcta 407

<210> 12026
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12026

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 gaattgccat tccttggatt acgnggttga accaagctca tgcttttaca aaaaggctca 120
 tcaagtcaag ttgaaatatg gaagtaaccg tcttgcaaaa ttgtggcaaa agatgaatca 180
 agtcacatca ctgcttcgtc tactgccaaa catatttagg attgttgatg tccttggtac 240
 ttccagattc accttggcaa agatgtcatg gaccatgttg aatatctaaa ttgattcgac 300
 cccatatcct gcgtaacaat ttgcaatact tcaattgtac atcattcgca tacatccatg 360
 cttttcattg gttgcattgc tcattgcatt ctttccttg 399

<210> 12027
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12027

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 atccgggtgg gaggaatcat ccaaacttaa gatgggcaag tcctccacaa caacaacagc 120

ctgtccctcc ctaccagaat gctgctggtc caagcaagcc atatgttcct cctctaattgc 180
 aggaacaaca acaacaacaa caaagacaac aagcaactga ggcccccttct ctaccttcct 240
 tagaggagtt agtaaggcaa atgacaatcc anaatatgca atttcagcaa gagacaagag 300
 cctccattca gagtctgaca aatcagatgg tgcggatggc tactcgagtg aaccaagctc 360
 aatccccaaa ttctgacaaa tagccttcat aaactgtgca caatctga 408

<210> 12028
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12028

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 tgaacatgaa gccttnaaac acaanccngg aaaacgcgac gaacacgaga acacggatta 120
 aagcatttgt ggaacggaaa ggcgtcagga aaacaccaca gcggcccaaa acgcgaaaga 180
 atatgacgga gtgaccagga gaggcaacac acaggcaaga agagggacgg aacaaaccac 240
 gaacgycaca cacacaaaag caccgccacc gacaccagag aacgccaac aaaaggccga 300
 gaaagggacg gcacaatgag gcgcaaaaca ccgaaaaata aaccgggaca agaggctaca 360
 gacaagacca cgcgccacaa aaagcgagca aacagaagac cgaaaaaaaa cggagccaac 420
 ttagagagga aactagaac aggcgcacag 450

<210> 12029
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 12029

agcttgtcgc aattactatc tcattattat atttaaaaaa catgtagatg aacatactga 60
 gcaatcgaat aaaattggaa cagagatacc atctatatgc tgtatctaata acattcatgg 120
 agaaaacaat attgaaatac gacggtatgc gactatattc ttcggtgaaa aggaagttat 180
 tatattgtta caatatattt ctatagcaga tttttacatt cacccttttc ttgtatctct 240
 ctattatacg ttatttatct cattctgtac tttttttcct tcttttatgg cgcttttaata 300

tatagaagaa gtatacaaag aagtaatata acacttctgct aacagatttg acatgtattt 360
aacggttggg tctaatacgt tctttgcatt ataagataat acgtgttca 409

<210> 12030
<211> 514
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12030

cgcaaccccc tgccctnncc ggtatgagga tgcacggcat aaccanacc cccccccgc 60
gcgcgcatga cctttgaact gaacatcgaa acgaaccagc caaggtggac tcgagcngaa 120
ggtgatccac gacaactgtg agcccagcgg cagaccgggg gaggaaccag cggcaaacaa 180
cgaccgaaca aactacggac acaaaggtcg cgagcaagaa ggcccaacgt agccaccgcg 240
gcaacaagc agggccaacc atgcagaagc gagaaccaga gcaaaagcag ccggggcacga 300
aagaaaaagc gaacaacaac gacctatggc gcagggacga cgagtaccaa ggagaggacc 360
caciaagacc cagcaaaggt cagccacgaa caggccgccc agcgatgaca agacaccggt 420
gacccaccg cggaacaaggc tgtgtacaac accggtgggt ggcagggggc gaccaccaa 480
acatagtcac gaaagcgaca tgaaggaaca accg 514

<210> 12031
<211> 616
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12031

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ttcatanann anaaagagag aaggnnctga gacagtgaac aactgcgaa taccgcgag 120
atcnagcgtg gnacccggag atcctccaga gagcaccgc acgcatgcaa gcttctgttg 180
gaactttctg acttgcattc caatgtgaca tacgccacag attctgcctg cgtatattgt 240
cagatagga aagcctataa cagcagcaaa gcgaatgatt ttcgtgatgc ctcacaagcg 300
cacatgtccc aatttatgat gccaaacatg gactacatct ccctcgta acaaacatgc 360
ggaggacgaa ccggattcct gaagagtaca tagagaacaa cagcccttg atctgctgcc 420

catcactaca gacacaatct tatcattagt cacaccacat actgactatg tgaagagaca 480
 tcgaaacctt ccgacacagc tgcttgatgc tgccaagcat gcacacaagc ctcaccagca 540
 gtacttcgcc agatagagac gcatctaggc aagctcacca ctcaatgaga tatacatata 600
 gcaacaccca atgtcc 616

<210> 12032
 <211> 258
 <212> DNA
 <213> Glycine max

<400> 12032

aacccccacc aattgtgaac gcattccaac cccccgggc tgcttactaa accaacaaca 60
 cggacagacg gtttacatgc gacaagcgaa gaccacaaac cactaccggc gacagcaact 120
 agaccactgc cagacacaaa aaacgacgta aacaaaggag aaacgaaaaa cgggactgaa 180
 aaccgcgcag caacaagaca atcgaaaaac aacgaaagga tagagaaaac cccaccacaa 240
 cggaggcaag aaacgccc 258

<210> 12033
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12033

cagcttgtcc ataaatatat gtnntttgaa gttgtcattt caatttctta ctaagtaaaa 60
 tggatcattt tcaagggtcca acgccttata atgatcacct ctttaagtaaa aaagaaatca 120
 cttgataaga aagaactacg tangtctgat ttctcatca caaattgagg aatacgtagg 180
 agcaaaggga aacacccttg tcgaccacaa aaagagaaaa atataaaaag ggtataagga 240
 tatatagaca taaaaaggga acatataaaa tcaaagtcac gtttgacacat tcgattaaaag 300
 gctgccgtcc cttgggacgg acgtgtggtg tgctaatacc tttcccgtgc gtaaatacaa 360
 ctcccgaacc tttctcttaa tagatcgtag atcgcgtctt ttccg 405

<210> 12034
 <211> 169
 <212> DNA
 <213> Glycine max

<400> 12034

cattatctca ttgtattttc taggatcatc attctgcac acattcgaca gtgactcgga 60
caaagattga atcatttgtc gtatcccaga cagtcactta ggtaatgtca aatgccatct 120
gtactgttta ttacattagc tgcccttctg ggctgcatcc ataaacgtg 169

<210> 12035

<211> 453

<212> DNA

<213> Glycine max

<400> 12035

tattatatat tcttagatcg agaccccaca caccatgacc gtcgcctgaa cgcaagaaaa 60
cacgtgcata agcagagcga ctctggccaa atcatattct catagtacag acttcactac 120
tcagataacc cagatacata ctctatctta cgatatgtta agcgtaggat cgacatgaca 180
gattaagtga aagtgcctag tagatataat ggcatattga cctgtgggaa tctgtataaa 240
aggatgagaa gcacatacgt gctgattgcc cataacgctc gatgcactat gcagttttac 300
acatgagcta taattctgat gaccaattcg acatgactgt tctgcataat atggcagata 360
cccaaatcat tcttttctac atgccatttt gataagatgg atgctgcaag cctagatatg 420
agtaatcgta ttatacaaaa caagctctaa ccg 453

<210> 12036

<211> 582

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12036

ggatggacgc ccncntttg atngccagct tgaatngcgc ttcgnannga ccncncncn 60
nttngcggaa gannaccgtc ncnngacncn ncnncangnc gcnannatnc anacagtctt 120
tttcataata tatttatgta cnctgtgcan gtcacaaga gacccatcga agattnagta 180
tgaactgact ccaaattgga cacatcgta acattnctta cactaacaat ccgacatggc 240
gtgatcatca tacatagcgc gatacggctc taggttcata ccgaccgata tgctcgctcg 300
tcaatgaagt gacgcgacac ctctgctcag acacgataac acggctcact atactcccta 360

gaagaatagt atgcaactaa cgactaataa acaattttaga acgagccata tcctcatatg 420
 agtacgataa ctaatagtgc gacgttactc aatgaccatc tgcacaaaa tcaactaagt 480
 cattctactg tgtctaaacg taaatcgcta atcactgctg tcgtcgtcaa cactgtaaag 540
 caaacggcga gatcattgga ctgactggat atatgtgtac cc 582

<210> 12037
 <211> 619
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12037

tatgggggna cgggcgtaga gaccgtcgta ctaccctgga agnacactac gtactatacg 60
 gcgaatncta gctcgggtacc ccgnggatgc ctctagaagt cgtacctgca gggcattgcc 120
 aagccttctt tgatgcanna ttgagnnnta tccctgtctg aggggtatgcg ctatcaaagt 180
 aggtngacat ntcagaaatg agtttgaagt ttgcgatgaa cctttgtcaa tagacttagg 240
 tgatttacat ttacatgcgt ggtttcattt gccgcagtag tacttcaagc attgtattga 300
 caaggagaat gtcattgtga tcgaagcaca aatgcctgca caatatgcaa cgcatgtcga 360
 gtggttgaca actgccatgc gtgggtcttga agtgccctaac atagatccta cttatgcaaa 420
 aatgagagca gtatgggttg ccttactttt caagctgtta agcaaataagg tgataattta 480
 agaaacgtca gatcatggca catgcctgct tgtgtatgta attgtanata aagaaaatag 540
 acttcgggtg caattatgag tcgcatttat tagtagcttc cgttntgatc ggttngagaa 600
 gctgcttata ttcnacatg 619

<210> 12038
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12038

tatacgctat taaattatga attgtgtaaa taaccgtgcg cganaggatg ctgacactac 60
 gccacggctg tntcttgaac tgttactgng actatgccta cgtgaatcat cctacgaagc 120
 acataanatt gaacaagtta tgtctttaca tgaaaacata tctaattggtt ccaggaccat 180

gggtgtttctg gtcaatcttc acatgacata taatcaactt ttattaactc gtttctggta 240
aattaaaaaa actcagctac atgaacttac tcttgggtcca gcgtctcctc tngnacagct 300
ttgcccttgt gaatgaactt gaacatcttg ctcatgcaca ttttgtacaa ggcgtgtgt 359

<210> 12039
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12039

ccccacccca cccccaagca gaagaaaagg gccccccccc cggcaatgac ttagctgaac 60
tcaaccaant tocacaatca cccacattc ccccccttat ccggcccgag ggcgacccca 120
cacaaaatcg acgaacaacc gcccagcacc cccaccacc cgacaaagca cgacaccgca 180
aacaccgcca caacggcagc ggggaaaacc gcccgacccg acacccgacg gcgcgccccca 240
accccgacca ggcggaacac caaagcccg cgcacccaca aaccccgcg cccaccaaca 300
ccgacacagc cagaccacac cccc 324

<210> 12040
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12040

agctntagtc aaacagaata atctgaatat gtcttagaat tgggtggtga aaaagcataa 60
taagactgtc tatgattggc ttaaagatac aatctttgca gatgagaatg cttcagaaac 120
tttaagaaag ctagcagatg ggcctaanag aaatgttata acctggcaag gatacgacat 180
anacaggtat tcatntaca caaaagcaca agatgacaaa agtacaatgc agaacaacgg 240
ngtcacctta agggttgaat ctcaacactt tgcangtgtc aatgacgcca atccctgggt 300
agcttccatc ccttactttg ngttcattga tgaaacttgn gagcttaact atgtgaaatt 360
tacggatatgt gtttcaaagt tanagggttg acagcacacc ggtgtgtgcc cgatgatata 420
ngattacatt gtagacctaa gaaacttggc accacat 457

<210> 12041

<211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12041

cacaacaagt ttttccacat ccacaatgcg cgcataaacc caccatcccc tgtagccac 60
 ctncaactga gctcacgtac tcccacgtag cccatatacct cgtttctctc aacaccgggt 120
 ccccatcaat cctcccaagc ttccccaaca tcaaagtaat acaacattca aacagcacia 180
 actatcacag ccaagaaaac agagcagagg cagaanactc tgccaaaaca ccaacaaaaa 240
 tcacagcttt tctcacttaa agacccagc acaattcctt cgtccaattc gtaaccgtgg 300
 atcgactcaa ttttactgaa gtcttagaca taacctacat ttgaccgggtg gatctact 358

<210> 12042
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12042

agcttgaacg agctgatgaa tcatgtcgtg caaacgccgg agcggcactg ttatctggca 60
 cgattgttan gattcgacta ctctatccaa tatcgacag gtaatgtgaa tgtgggtggca 120
 gacgtgttgt cgcgatgctc agagttaccc aatgctgctt acttcgtcct ctccatgcca 180
 cattntatat tccttgaaga tctctccaaa gagttgcagg cgcataatga gtatgttact 240
 ctacgagaca agattcaaat gaaccataa gcttatccag ggtatgtgct aacacctaata 300
 tttgtgttac accattggcg catttggtc tcttcatatt gcaccttcat tcaagctcta 360
 ctcacagaat tccatcagac accaactggg ggtcacatg 399

<210> 12043
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12043

attataggtt tagttattta ttgcattcca tctgacatta tctgtcatgc tacatctatg 60
 atattgagtg aggcataacc gcataagcat ataatacaaa ctcttctagt ttattgatta 120

tgaccagaca ccagtccttt attatgcctt gaacaggtgc ttattcatta agtttttaaa 180
 gttcttggtc tttgcaatat gaatacataa acttaagata aaacttatag aaattagaca 240
 gttctgtgaa ttacttgagc aagagcactc agcgtctgtg gtatttcata tacatataaa 300
 gaatgaatac tttntacact tacaaggaca ataataagga gttaatatat agtttacaac 360
 tgattggtgc atgatttgat gtttcatgtg agagaatctt caccctactg atactgacaa 420
 acagtttctt tttg 434

<210> 12044
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12044

agcttgcagn ctcttttctg atcatggctg aactgaacag aaagtaccca caaacatgca 60
 ctaaattgcc tataaaactca aaacgtgttt aattgaattt atgttaaact ctgtcatatg 120
 tgttgcatta caattatgag gcattctact gctaaatttg gctcagcttg gaccttctgg 180
 ccttgctgcc aattggcttg ataaagatag tttactgcat cgtcgattgc tctctanggc 240
 caatctctag gacgactnta aggagtttat cttattatta tgacatagag gttgattgga 300
 ttagaatatt tgaatactgg aacttcaaaa gagtcagatt actattcatg cttattctg 360
 gaatatgaca gtttgcttga tgtttatgta cct 393

<210> 12045
 <211> 391
 <212> DNA
 <213> Glycine max
 <400> 12045

tattgaagga tcataggaat atccattctg atgttgctaa gaatgaatcc atacttgata 60
 aatttcttac atgacgttga gattgagctt ctatgctgaa gtggcacaac ttcactcactc 120
 ttaacactat gtcatagctt caagcattat gtgattaatt acttttagaga gacttagagt 180
 gagtctagtt gatgttgagc tagtgatgtg tccaaggatca tactgagtag tgctcttaag 240
 tccttcgatt agatgcgtct catcagtgcg tttcatggac aacttcatca ttcaacaatc 300

ttgcatcttt gtatgcaatt agttcttact ttctaattgtg cctccaatga ttatggaagc 360
agggtgaaaag tgaagaactg ccaaatttga g 391

<210> 12046
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12046

agctctgagc aaattctggc gacaatatct atttactcgt atgtctgatg gagtcccgtc 60
atataacgag acgctcgaaa ttgaatgttg aagctctgag ccaattcaca cgacaataac 120
tctgtactcg gatgtctgat agaatcctgt catatatcga gacactctaa attgaatggc 180
gaacctctga gccaattcaa acgacaataa ctttttactc agatgtctga tactactctc 240
agaatatatc gagacactcg aaatcgaatg ttgaagctct gagcatattc atacgacaat 300
aacgtgttac tcggatgtct gaacgagatc cgacatacat cgagacgctc ataattgaat 360
gtngaagctc tgaggaaatt ctaacgacaa taactntnta ctctgatgtc tgagcgagac 420
tagcacatat 430

<210> 12047
<211> 470
<212> DNA
<213> Glycine max

<400> 12047

gcgtctcgta tattacggga ctcaatcaga cttccgagta aatatttatt gtcgtttgga 60
ttggctcaga gaggcaacat tcaatttcga gcgtctccat atattacggg actcattcag 120
acatccgagt aaaaagttat tgtagtttga attagcttag agcttcaaca atcaatttcg 180
agtgtctcgt tatatcacga gactcaatca gacatccgag taaaaagtta ttgtcgtttg 240
aattggctca gagcttccac attcaatttt gagcgtctca atatattacg ggcctcaatc 300
agacatccga gtaaaaagtt attgtcgttt gaattggctc agagcttcaa cattcaattt 360
cgagcgtctc gatatgtgac gagactcaat cagacatccg agtaaaaagt tattgtcgct 420
tgaattggct cagagcttca acattcaatt tcgagcgtct cgatatatta 470

<210> 12048
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 12048

gagctcttca actattcttc tctaacacaa ttggcaggat tgatactatt cctgcactgt 60
 acgagtcgaa ccaaccaatt ccaaacaagg tcatattgca ttgacttggt ttggtcattg 120
 aaggcatgca ttgatgcagt tgcattttgt acacccattg tgcaaatcga tggaacatgg 180
 atatatggaa gatacatatg gatgctatta attgcattta cataagatga ggctataaac 240
 atatctacat tgggtattcgc cattgtcgat ggtgagacag cagatgggtg acacttctgt 300
 ttttttcttt gcgaacttga gatccatgta caccacaacat ggatatgtta atctatga 358

<210> 12049
 <211> 181
 <212> DNA
 <213> Glycine max

<400> 12049

gagaaccagc gcatgagaga taacttcctt cagcttggtg aaagccttct gagccttcgg 60
 cgaccaacga aatctgtctt tggccaagag ttgagttcaa ggtgccacta tggaaacgta 120
 tcccttaata aacctccgat agaagcctga caagccgaga aagcctctta aagctctggg 180
 a 181

<210> 12050
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 12050

agctttttga aaattcttat ggtcataact ttccacacag atgctagatt aaggcgcac 60
 gcatatagag agactcgaaa atgaacaacg gaagctctcg agaaattgaa atggtcataa 120
 cttttcacac tgaggtcoga ttcaagctta taatatattg atatgctcga aattaaacat 180
 cggaagctct cgagatatte aaatgggcat aacttttcac atgaatgtcc gattcggggc 240
 cataatatgt cgagaagctc gaaattgaac aacggaagct cttgagaaat tcaaattggc 300
 ataacttttc acacggatgt ccgattcagg cttataatat atcgatacgc tcgaaattga 360

acatcagaaa ctctcgcgaa atttaaattgg tcataacttt

400

<210> 12051
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12051

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atcatntgaa tttctcgaga ggttccgatg tttaatttcg agcgtatcaa tattttataa 120
ccgtgaatcg gacctcagtg tgaaaagtta tgaccatttg aatttgacga gagcttccgt 180
tggtcaatat cgaatatcac tatatgtgat gcgcctaaat tggacattcg agttgaatgt 240
tatgaccatt tggattttctc aagagattct gttgttcaaa ttcgagcgtc tcgagatctt 300
atgtgatcga atcggacatt cgtgtgaaaa gctatgacca tttgaatttc tcaagagctt 360
gctgtggtca atttcgagcc tctcgacata ttatgc 396

<210> 12052
<211> 377
<212> DNA
<213> Glycine max

<400> 12052

agcttgtttg tatctaatat gcttcgggga gattctgtga atgatgcgaa acgagccaaa 60
atatgcaatg tgacagattc acaagaaaga tgtcgcgcga taaactcaag attttagggg 120
tgagcgtgag tgtactacta tagcatttca ctttaaccatg tttcgagtaa ctgcgttatc 180
gagatgatgc gctatgcgat agagacattt ggctttacgc tgtctctctt gcaactgcaac 240
atgggccccat ttaaaattct ttggccttagc aagccatccg ctaagcggta gcgagagacg 300
attggcttct caacatgctc gcttagcgag ccgttctacc gagcccaagc ccaacatttg 360
agattcaaatt atataga 377

<210> 12053
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12053

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agtcttgtga gacacaactc agagctcaac ttctctccct ttntcttcct tcaatatcgt 120
gtccccact ctttctttct ctccctcttt cttttctca attgaagcat cctctccaag 180
cttcttatgc aaggctcatc ttggcgtgaa gctacttctt catggctatt cctaacggat 240
ggcgctcttc tccctatctt ctttgcttca gtgatctcca ttggggaaat accattaagg 300
accccttgag ctcaagatca gcctctatca gaacagcttt atcag 345

<210> 12054
<211> 342
<212> DNA
<213> Glycine max

<400> 12054

agctttcttg tgacgtacta atgccgagtt cagctgcgta tgtagattca catgtcgcat 60
caaggaaatt aacagcgatt aacacaatac attgtagagg caacgcaatg ttcaattcga 120
ttcactcaaa acgctgtgtg gaaacatccg taacattgag gttaaccgct tatactattc 180
agtagcgact ctgacggcga cacacattta ccttagtaat acagacgcga gtttctcgat 240
agacctaac aacaaccact aggcacttgc gatgaactta tatctgattt catactcaca 300
aatgacatcg tacacatgaa ttcatactca cttatactta ct 342

<210> 12055
<211> 488
<212> DNA
<213> Glycine max

<400> 12055

cgaagagcac cgtttgtcat ggcggctgca ccatctgata ctgaatctct tgatatatga 60
acgttccttt cacaaggtta ctctgactat ctcgatacc gaatacacgc tctctattcc 120
tactttttca cgaatctctt tgccaccttc gatctccgct tcatatcaac gtagcgctcg 180
gaatgtctcc ctctttcgat acctacctcc tcaactatacg ctgcctcgct agttcatgta 240
tcgattcact ttcttagatg attgttcgtg ctgaatatca tttgtgatta gattctctgc 300
tctgttctat tggaccttgc acaatgaaga ctatagggtt ggcggcgcga cctgagagag 360

tcccttcaag tcatgacaag agacataagg cggatgttgc gagcgatttt agagcgtgct 420
 tgtaaagttc ctagecgtgca aagaatctgc agtttcggag tgcagagcaa tggctctgtat 480
 tgtctccg 488

<210> 12056
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12056

agcttatcta ttaatttcga ccgtcttgat atgttaaggg actcaatcag acatccgata 60
 aaaaagctat tgtcgtttga gttggctcag agcttcaaca ttcaatttcg accgtctcga 120
 tatgttacgg gactcaatca gacatccgag taaaaagtta tggtcctttg tattgggtca 180
 gagcttcaac attcaatttc gagcgtctcg atatgtgacg ggactcaatc agacatccga 240
 gaaaaaagct attgtcgttt gagttggctc agagcttcaa cattcaattt cgagcgtctc 300
 gatatgttac gggactcaat cagacatccg agtaaanagt tatggtcctt tgtataggct 360
 cagagcttca acattcaata tcgagcgtct cgatatgtta cgggactcaa tc 412

<210> 12057
 <211> 252
 <212> DNA
 <213> Glycine max
 <400> 12057

gatgatctgg ctgaaccctt tgaaccccca acggcaattt ttaattacgc cccggtagga 60
 gtttgagacc ctgctacatc ctaggctcag tattccatgg actccgatca tatcagagct 120
 cagagcttat ctttagtaaa aaatatttct tttagcctct aagagagttt acgcccggat 180
 ttgcgattta atagtttata aacttgatgg ttagattgta tccttattat ctttaaaact 240
 ttgtaactta tc 252

<210> 12058
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12058

ttgcggtcat tactatcaca ctagatcgac catgaacagc ttgagctata nacatactga 60
 ataacgtact agcctataat ataaccaatt caacaagtgt taacaattca gccggaggta 120
 cgcaatacac ttgtattgct atggatagcg tccaagagaa gcatatgatg tctctgagat 180
 tccaagcgcg cagtagcttg ttccaagata gtgtgatcga catctaatat atttcacacc 240
 tcacgaactc ctgcattga aacatataag atatgttgtg atcttcagtt ctcaaacaga 300
 gagatcttcc aagaccttta tctatgagca ctattgtaca cgagtaatct atattcaata 360
 gacatttaga atgctctgac aattggcatt ggaggcgggt ttgcctcaat gtgtcttana 420
 tatacttcat ctaaccacg tag 443

<210> 12059
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12059

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 tgttcaagtt gggtgcaaga agaagaatta gaagacttgg attatttgga taagaatntg 120
 atgggagtcg aattcatttt tgacaagtat taatttgact atggatcttg atcctaattc 180
 ttttcattgt tcaattctaa atatgtatat ggagatctat aatacattcc tctaattcta 240
 tatacaagag aagttctaag gggggagata tataagttga aatggctcat gtacgttgtg 300
 tcttaagatt ctgngetgga tatagtatct agtttacttg attat 345

<210> 12060
 <211> 194
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12060

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 tggtagcttg agatatgtcg cggnggtaag gagaccttat ggacgtcagg tgggtgtgcta 120
 ttgcccanaa ccaagcttga ccaatctcga cccaaccggg gcatagtcgg tcagtggagaa 180

cctgtgatgt acct

194

<210> 12061
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12061

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aagttattgc gaattgcatt ntctaccacc ttttgttttc cattaccagc atctcgatat 120
attacgggac tcaatcggac atccgagttg acagggtatta ttggtttgca tttttacaag 180
cttccatttt caatttcgag cacctcgata tattacggga ctcaatcgaa gatccgagtc 240
aaaacttatt gtcgttngaa tttgctcaca gcttctgtat tcaatttcaa gcgtctcgaa 300
atagtaagag aactcatcgg atatccgagt taaaagttat tgtcatttga atntgctcag 360
agcatcttgt cataccctaa tttcgtccgg ggatctttgc ttgatgacat gcgacctttc 420
tttggcc 427

<210> 12062
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12062

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cacacatcca ctaagtcgta caagtgttga gctgtcttct angatgctct tttgactagc 120
tgttgntttg tctaattaag gacacatctt agtntctctgt tttgcttttt taccaaattg 180
tctttgctgt catttccctt ttaatcttat ccttagttat aggcacanag agtggctata 240
tatattcttt cctctgtaan tatacgacta tgaatgaaat gtgttttcat acattccgtt 300
atagtctgtg tcgtttctct ctttttcac ccttatatcc aatcttattt gacatttgta 360
atgtattcca gcaattccag cgagtgtgtc ttctgctctt tnngaaaata cctgaaact 419

<210> 12063
<211> 359

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12063

atcttttttt gtgagatata agaaaacttt aattntaact taagataggt gggctctatgc 60
 attgtccaag cttcaagccc aaagggctcc agcgtgaggg ggtatactag aaatataata 120
 tagaattgaa tanttttttca cccaatagct taagcttatg agattggagg ttcttgacag 180
 ataccatgta gacagaacaa aaaattcaaa ttgatcatat tctaagactg gaanagctgg 240
 aaagggaaaa ggataagggg aagctgcatg ggtgtgaaca atngtgattg gatggctgtg 300
 tactcccatc aacaagagat agactcatca aagttacact agtggttaca gcccacacc 359

<210> 12064
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12064

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 aggctcgtca aaccaagat ttgcacttag tgagtctcac tagttcacia aaccaaggc 120
 ccgtccttgg taagcctcga cgcacctcta cacgctnttc aaaacctagg gcaaacacgt 180
 ccctgggtgca aggctcgta aaccaagggt tcacccttgg taagcccttc ttttgctaag 240
 ttccatcttt acaagatctc aaggtacaca aggtcaaccc ttgacaattt ttcttacccc 300
 taactgttat atgtgcaaga attcatgttt gcaagaatat caaaaaccta aggcccgccc 360
 ttagtactaa aatctcaagg tctacccttg atacacactc ttacaaaacc caaggtaccc 420
 ttttgggccg cttacttgca acaacaa 447

<210> 12065
 <211> 232
 <212> DNA
 <213> Glycine max
 <400> 12065

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 cgaagccgaa ctgatccat gagaggcaga accaagagta gagcccacag aaaaggctaa 120

gcccgaatca aataaacatt aaaatatagt aactaggaag tgatcctagg tcgttttcca 180
acgagcaatg ataaaccaga agttcataat atacttgcag taacagtaaa aa 232

<210> 12066
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12066

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aatcctctt caatgtatcc atttacgaaa acactnttga catccatttg gtatagtttg 120
aatccataa cacaagcata agcaaataga aatcttaca cctctaattc agctaccggt 180
gcatagggtt aaccaaagtc tatatgctct tgttgagtat agcccttggc tactagcctt 240
gctttattcc taatgatcaa accatgttca tccgatttat ttttaaacac ccatntagt 300
ctaattggtg gcataatctt agaataagat acccaattcc atacatcatt ccttttaa 360
tggttcaact cctcatacat ggacattatc caaaactcat cttaagtgc cttctctata 420
gacatgggtt ctacttgaga cac 443

<210> 12067
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12067

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tttanagtgg agggcacttt cataaatgac tatataacta gtttaaaaat agaattttag 120
tttaattagt ggggtgactag ctaaagtgtc taattatatg atgtagaata attaacataa 180
gtagagttg taacaccctg aaaaattaca actcagacta acaaaggaaa ctctgtgttg 240
tgtcattggt gcatgtatng aattaatttc attaattata tggttttaat cagataattt 300
catgttgtgt gtgtgtatgc atgtgactga tttagtaaag cttgatagag aaataanaac 360
tatctaacct 370

<210> 12068
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12068

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tggtatttgt gtgtatgggtc aattagtagt ctaagccttt aatgaagaac ctaagtcatt 120
ttgcaagtat gattgtaata ttaagtacga ttgtgtgtat ggtaaatttg gccttgacat 180
gattcaaaag tggatctttg tataagattt gcataaacta tntagataag gtatctaaga 240
gaacttgtn caataagtta aaaacatctt catagctctt tttttcattt ntaaataatn 300
tgactcattc aatgggtgtac tattatacag agttingacag tgattntcac cataataatt 360
caaatttga ttttcatagc aacaatacac tgcacatgaa catctcatcc nttacatgt 420
catgtacaag tgatgaaact ctcatgcctt atcact 456
```

<210> 12069
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12069

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cttatgcact tctctctttc tcanaataac tgaggaaaat tagttccgtg aagaatatcc 60
aagccgaggc gcttccgtaa cgtttccgtg agtgatttcg cgaaggtttt cgactgttct 120
tcgacgttct tcattcgttc ttcagttctt accgggtaag tacttcaaac caagctttta 180
attcattcta tgtaccgtg gtgggtccaca tttggtttca tgtatnttta ttctcgttgt 240
catttacttt ttatacccc ttttgacgtg cttagccat ttatttaagt catttctcgc 300
ttaatctaac aataaaataa a 321
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<210> 12070
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12070

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gaaaaggctt ctgaatttct tcttttggc tgagttagga gagagaacag ctttttggtt 120
ttaaataaaa agggttttct ctttttctat tattttatta taaactatgc cacatgtctc 180
catttgagtg gagcaaaaag ggcccacttt ccccttttga ctgtgacca tactcagcca 240
caaaagttag aaaaatctga ctttgaaac gctaaaatcc tgcctcggtt tgcgtgctgt 300
ttctcagggt tcagttcttc gcgtttctct gcgtccgtcg gggccagttt tcgaaagtaa 360
ccaatatata tatic 374

<210> 12071
<211> 443
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12071

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aactcaagtg aatcaagaac aattcaagag ttcaagaaaa gaatcaagaa gaattcaaga 120
ctcaagaaga aatttaagag tcaagaatca agattcaagg ttcaagatct caaaaatcaa 180
gatcaagatt caagattcaa gaatcaagag aaggcttaat caagataagt ataaaaagtt 240
tttctccaaa attgagtagc acatgatttt tctcacaaca tgtttaccaa agagttttta 300
ctctctggta atcgattacc agattgttgt aatcgattac cagtagcana attgttttga 360
anaagttttc aaattgaatt tacaacgttc caattaattt canaaaactg taatcgatta 420
caatgttntg gtaatcaatt acc 443

<210> 12072
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12072

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aggtctattg taaatcgttt ctcttgactt cttgatcttg acttgaatca atgttgaata 120
gctctaattc ttggcatca tcaaaatctt aatacagcat atgcacttac aaattcaaca 180

caaacttaga acataatgtg ataattatta tgactaaaaa tgactctaag acaacatgaa 240
 tgaagtgatt acacttagat tattgtgttt tcttttctaa tctatatttt gcaagaatat 300
 tttgactgan aacatgattc aagagtagat ctatattatt gtgactgaat atttctatgt 360
 tntctaattt caagggtag cacaagaata tcttgattga aaaatgatag aaccctaaat 420
 caacatataa acatg 435

<210> 12073
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12073

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 ccgaggcgct tgcgtaactc gtccgagacg tttccataag caaatccatg aagatctttt 120
 gccatccttc gttcgctctt cgatgctctt tggctctcaa ccggttaagtt tccgaaatcg 180
 aacttttcaa ttcattctat gtacccttgg tgggtcccccac ttgtttcccg tactttttatt 240
 atcatttcat ttaccttcg taccctctt tgacgtgctn tagtcattta tataagtcatt 300
 tttctcgctt aataaagaaa taaaataaat tttcaccgat catttgaatt gaacatctgt 360
 aatttctgta aa 372

<210> 12074
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12074

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 gaaacagatg aaagagatat gaaatgagaa aatagaacat aatagtgtag taaaatattt 120
 cgttttttaa aatcatttgt acaattgcaa tcttattcat gtgaacttgt attaaataat 180
 attctagttt gatatatata tatatattcc atttgatttt gattttgcta tnttttaaaa 240
 aaatttaaca ggcataatta attatggaga gatagaatcg aatatcatta gatattgggt 300
 accagcatat tattcaattg tattttacttt cgggtgtacc cttgtatttg ttatcagcac 360

gttcgatatt gttggctctt attggcgacc taatgctata ttgag

405

<210> 12075

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12075

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gtaactcact ctatgaatct ttcactcatc ccattaatat caaagatttc ttctagataa 120

acttatctag agcaatgtgt gtcacatgca atttaagttc ataaatgggtg cagatcattt 180

ctatgttgct agtgtacgaa aaaacgtgtt cacatacaca catggcgaaa taaaaggata 240

tattttggat tttaaattata ttataatcaa atgacatatt aaaaggtgta cctattgatg 300

agttcttgaa gcataaaaaat tcttcaatag tgtacagact ctacgtgtat ccacatcgat 360

actgacctct attcgtcaac aactttgaca tgtaaaaaat aagaatagag aagtg 415

<210> 12076

<211> 259

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12076

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tccgctaagc gcaacactca tgggctaagt gagaggaaca ctctagaaga agatgagttg 120

tatagggctg ctaagcacac cgcttcatct cactaagcgc accacttaag tccatccgct 180

aagcgagaaa tgcacgcgct atgccataat cactaatgtg tgctaagcgg aacataattg 240

cgctaagcac acaagcacg 259

<210> 12077

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12077

acccggcgta aagaggaact atgataagag ctacgtggaa gtccgtgagc ctcagtgagg 60

tgggcaacag gggatggtgg gtttatacgt gatttgtgga tgtggagaac tgttntgcac 120
 tatcgccga cggccaccta gtaccacatg tgatgggtac ccataatcc tacaagcttg 180
 aaatgaggaa gtgtggaaag gtgagacttc ctactcttat tcgctgacca cagagtggta 240
 cctggagata tgtcgcgng gtttaagagac cttcgtgacg tcaggtggtg tgctattgcc 300
 canaaccaag cttgaccaat cccgacccaa cccgggcata gtcagtcagt gagaacctgt 360
 gatgtaccta aacaggcgag cttctggcag tcaaccga 398

<210> 12078
 <211> 332
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12078

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 gatgcattgt tctgttatcc aggatccaca agagttccta cttcgaggac cttcttctca 120
 cgtctctttt cctccatcac atgcactnta caacacacat tgtggcttgg tggatctttc 180
 gcctcatgga acatatcaaa gctgatcttc tgatcttcta tgcccatctg caatatcttc 240
 ttccctatgt ccaccatgga acttgacgca gacatgaatg ggcggccaag aatgagagga 300
 atgtcagcat cctcttctat atctatgaca at 332

<210> 12079
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12079

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 gaanaggctt ctgaatttct ttcttttggc tgagtgagga gagagaacag ctntttgggt 120
 ttaaataaaa agggttttct cttattctat tattttatta taaactatgc cacatgtctc 180
 catttgagtg gagcaciaag ggcccacttt ccccttttga ctgtgacca tactcagcca 240
 caaaagtgag aaaaatctga cctttgaaac gctaaaatcc tgccctcggtt tgcgtgctgt 300
 ttctcaagtt tcagttcctc gcgtttctct gcgtccgtcg gtgccagttt tcgaaagtac 360

caatatatat atcaaaacgc tcagaataac accccgagcg tggttc

406

<210> 12080

<211> 561

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12080

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ccgngcggtc anagctgtct gcaataacca acatttatga ctatgtttga ctacaactca 120

gagatcaatc ggggagcatt tcgtgaatca agaacaatac ttcattgttca cgaatagaat 180

caagagtga tcaagactca tgagaaactc gtcgactcta gcatcaagac ataagggttca 240

ggatctcctt catcgagatc aagattctag attcaagaat caagagatgg cttaatcacg 300

atcgggtctaa caagtttgtc tccaagatcg tgttgacat gatctttctc attacatgtt 360

taccaaagag tttttactct ctggtaattc gataccagag tgttgatgtc gataccatga 420

tcataatttg tttgaatagt tttatactga gtgtacagcg ttgtattatt ttaaaaacgt 480

gattcgagta ctatgtttgt taatcattac cgtcgctatg agtcgttatt caagtctcat 540

ggagtgtcga tgctttcctt t 561

<210> 12081

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12081

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tccactctt tcgtcatgcc gggactcang anaccaaca ggttttgcct tttcaatgta 120

ctctgaacaa aactcaatag cttctttggc aatatacctt tcaataatag atgcttcaag 180

acagtctaga ttctttgcat acccttttat gatcttcatg tatcactcaa ccaggatat 240

ccaccacaaa taaatgggac cacaacattt aatttcctc accagatgaa caattaagt 300

gtgaaccatg atgtcaaana acanaggagg ataatacatc tccaactgac aaaataaaat 360

agcagcctcg ttttcaactc atctaacttg agaggatcaa tgactntact acatat 416

<210> 12082
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12082

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 cttttataat aaactcacn ctcacaatn tgtacttgtt ggttgatacc tgtgatgatc 120
 gcgaaccttt gttcgtggga gcagaatgac aacagtagag tacgagaagt gagattcttt 180
 tgtcgagccg acgtgatgac gttgggttta ttttgggaga gagtttgtgt ttgttaatca 240
 actcctccgt agctgggttac ataattcttt tttctaattg aggatgtaaa tcacagaatt 300
 aggtatatgt atgaacanat tcactttcca ttatgtgaat gatgtgtact ggagtactat 360
 gcctatatat atatgtat 378

<210> 12083
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12083

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 gcaggatcaa gtggagtcac agccattgaa caacaacaac agcaacagca gcagcagcag 120
 caacaacaac aacaacaaca acaacaaca caacatcaac agcaacaatc agagtcttgt 180
 gggtacaact ttcagctcca aaggcaattg ggagccttca tttcaacaca tgttgacact 240
 gaccacatca atttccaaac caacaacaac aactcctcag aagatcttgg cctatccctc 300
 cattggcttc aagaccaccc tggccttatt cagtggcaat cacaacaaga aggtgcaaatt 360
 caaacacctn cttcagatga acaccaaatt cagcaaacc cttttgccag aatcaaccgc 420
 agtggggttg agaaccatta tcaaagaagt gtgacttgga acaag 465

<210> 12084
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12084

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agagaatata atctctctng aaaagcaaata cacctgatct gcattcttta ttgcactcaa 60
atattcacca ctnggtgaaa catcagccac agaattcaac aaattctctc tgggtatcct 120
cacattatca aacctgaaga cacatgtgaa taatttctgc gtttactctt ttatataaaa 180
tntcattttc aggtgcaact tgtttgaaaa atgtatatat taccagatac ggccattatc 240
aactccattt aaaccaattt tgtgaccaca atcagctatt cggatgtttg gacatatgtt 300
tccatctgaa tccctgattt gngcaataaa tgcattgcacc ccttgattgc tccatttata 360
tagagctgtg aaaagactat agtgtgggtt gcatgctgaa taaaagaaca agttaatata 420
agggtaatat atacaaagtt ggagccagtg aaaaatgtat catg 464

```

<210> 12085
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12085

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tgcttgggac gcgtagactg tcttagttcg caagattcca acccttcgta taccagaaga 120
agaccaaacy aagttgtgag tttttctatc aatggcggca tagattgact aatgcagcca 180
gaatagctgc ataattgtaca ttggaaggga ggataggaca tatttagcta aacaaagtca 240
tccagcccta ttcaaaagtt tccctttcca tgaagctagc cttctatgaa ttntatccaa 300
gataaaatcc aaagattgat ggtgttgtct cccttgcacc aaggaaaacc ctagatagcg 360
gccaatgttg gaaacactcg cgatgccaca aacattcttg aatatattct tcatgcgggt 420
ngggattccc ttggagctca tcatcgtaga tttat 455

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<210> 12086
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12086

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atgttcttct gcagatcacc atacagatct ctgtccttct ttgcagcaat ctggagtcaa 120
tgagcaactt gaagctcatg ctgcaaacat ttataataga cccctcagc aacaaaacca 180
acaacaagag aataattatg atctttcaag caatagatac aattcagggtt ggagaaatca 240
tccaaatctg agatgggcaa gtcctccaca acaacaacaa cctgtcccta ttttccaaaa 300
tgctgctggg ccaagcaagc catatgttcc tntccaata cattagcagc aatagcagca 360
gtcacaacaa agacaacaag caact 385

<210> 12087
<211> 398
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12087

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tgtgatagga tatgaaatct gatttagagg aaactgaata tcctctaatt atgtgtaatc 120
aataactactt gtctgtagaa acacctgggc atttattttt gccttgaaaa aaagctactt 180
caatatggga aaaatctttt ttggggggg aacatcaatg accaaacctt gtaccttntc 240
tgtagacaag ttaaaaacct acagttcagc aacatcactt ttctttcaca gctataatgg 300
gaaaggatat tagcactctt tactatctag caataccaga gcatggccac acacctttgg 360
aggctaattg tatcagaaac ttttaaggaa naatcact 398

<210> 12088
<211> 410
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12088

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atttgaacaa ttactatctt ccctatttgc atggtagtgt tgaacaaata ttaagtaggt 120
tatttgacta tatgggtttt atagataatc tatttatgat tgctgcttca tgattcttgc 180
ttcatgagtt ggttggttagt ttctcaatga atgttgtagt gatgtttagt tctatttgat 240

tatttcagat ttgttacaca ctttggtgt ttgttgatgc caaatgggga gagaaatacg 300
 gattaaatca agaactcaca tgagaaatca atntgaattt aagatatgca caaattccaa 360
 aacaaagggg gagaaattat gtgagtgatc gactaggann aagtgtgtgt 410

<210> 12089
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12089

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 ttttcacaac aactaacctt ttgctttgct actcttttca gcacattcat tntctttgat 120
 gataagttac ccagctttt actctntaat tntgggtttt ttttagtntt tttttcaa 180
 gtaactagag atattcatgt tgggctggag taaaatcatg ttttgtgact caatttaact 240
 tgcgttggtt atttattttc ccgcaataga aaatcaccca aaaatattcc cccaaattta 300
 ggacaaattt gtttggaacca tgagtactct cccacaacct aagaaagggt agttagtaaa 360
 tatcacat 368

<210> 12090
 <211> 324
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12090

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 gagggcactg ttactcgaat cgagtgcgtc agattataat ttcttggtc ttgttttgcc 120
 ctttctctt tataatcgag tttcactatt cgtattaatg ctctattctt tcgattttt 180
 tattagtaat ttaattctca atacatggtt gctctgctt taattttttt cttatttttg 240
 taatttactg atgatcatgg acattgtaaa aggttntttt nttttccaat tattcgctcg 300
 ttattctgct ctttgattaa acat 324

<210> 12091
 <211> 455
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12091

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agagtttaag ataataacaa gatggagaag tattggtaga aatggagagg taaaatattt 120
ataacacttt gaaacccctt caaaacccctt ttgacttctc atcattagtg accacctcga 180
gagttacaaa ctctgcaatg tcgtcattta gggtttttct ccaattgaag caacatgtat 240
catttaagac cacaaacgtt atgacacacg gtgtgatcaa gatatgccta gactatcgtg 300
tcttagatcg aaaggctgtg attctttntg tctaanaagt cattaccatg tcacgtgcat 360
cataatgttt gtctaagata nagtcgacca tccaattcat tggttatcta tcgagatana 420
tacaactcag ccattttaa atagatgggatt cattt 455

<210> 12092

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12092

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cttgtgatga ataatatcct tgagaaagca agttagcgtt gtctgctcta tgtagctgac 120
ctaccta atg ggatatgact ttgttgttgt gtcattgtaga aaacaattta tttttctggt 180
acaagtgggt tgtgattcta ttgttttgca ggggaaaaat gtcagagtag aactcttgga 240
gacagcacta ttacttccga gcacgtttag caaaattctg gatgttgtaa acagtgacaa 300
cttgtcaagg gcaattgagt attattccaa tnttgtcagg gatgctcaca ttgaaaagga 360
tgtaaagcan aactagaatt cttattcatt gtgtaattct catta 405

<210> 12093

<211> 401

<212> DNA

<213> Glycine max

<400> 12093

agctttaacc tcacgtcca tcacagtctt tagatttggg agccaatcca atccttgtgt 60

tcggactctc agccacttat gatagccgcc gatgatccca ttactgcttc ccctaagctc 120
tctgtccttt cttcacgccg catcccatgc cttgcgaact ccttggagta ccctcgcggt 180
gagggtcacta ataccccggtg cgatgaaagg cgtgatgctt tcgtctaata ggcgtcctct 240
catggggtag ccaagctgtc ttatgggtgag aacaggatta taattaatac aacccttgg 300
tcccatcaat ggaacatttt gacatgcttc gcatgaagat agaatcctga gtcttccttt 360
cttctagcga gggaaccaat taacagacgc accctcatgc t 401

<210> 12094
<211> 339
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12094

cagtcccaca atcccaatct gtaaatatca cattcatatg tcattggggc atttcaccga 60
gcacttggtg ggcgcgctgt tacgcatata ttgcaagaga atggggggcaa tgtggcatgc 120
cccattagtt tagaatacca catangcgtg aggccattct ctacaaccgc tctacttcta 180
caaattaatc ataaaaaccc tcaaaaacttg cgcacggata tgagcacatt ctcaaat 240
atagcaccaa aagatgaaca gaatgcacca ctgganagct atatactcaa ggatcgaata 300
cttacttgtc ggagtgagta tgaatacgaa aaatcaaag 339

<210> 12095
<211> 548
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12095

cccacctggc nttgaaaacc nttaggtat gccctaacga cnatgcgaca ctatagaaaa 60
ctcaagcctc gcgagtatgc tcatctgcag gaagagagat cacagatcgt caganatgtt 120
gcctatttgg tcatactgca gaggctggcg tntctatata gccaaattta cacccaacct 180
aacaatgtca ttacccaacc aataacaacc catcttctta cccaccactt atatatccac 240
aaaggccatc ccttagtcac accacanatc ccacctacca ctctaccaat gcttaacacc 300
accattacca ctaactagaa cacttaccac gtaattatgt ttgtactgaa aacatatctg 360

cagaatatac tccctatcct gcgtataatg cttgcttacc acatatctac tcatatttna 420
tagtatcccta accattctat gttaatcaac tacatattat atgatattct caaactcata 480
tactatatgg aaaccttcgc attcattcct ttcataatta aacattattc aagacttctt 540
ctgctgct 548

<210> 12096
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12096

agcttatttt gcaccctcac taagcgggaa aactcangct tagcgtgaag aatgtccacg 60
acgaagccca aatgcgtgct tagcacgaag ttagcgtgaa tagtaagcta ctttaggcct 120
ataacaggaa ttagaagcaa aaggaaaaga taccactctg gagactcaag gttctctaata 180
gaatacatac taagtctgag catctctaata aggggaaagt ctctatatat gtccattgtc 240
cccttctcct tctctatcca tccaccttct tctatccaca ttaaccctta aattgaaagc 300
ctctcatgac aatgagaggc ttaatccct tagttaggga ctgacaggtc taaaaagtca 360
taagatgtat tatatgtttc atatctatca actgcaacat gt 402

<210> 12097
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12097

tgtgaatgta tgtatacatg attntgatga tgtcaaaaga agaatcaaac aaggctcatt 60
ntgcttcaag attaatacaa gattgtttca acaaacaag ctttgattca agatttcttc 120
aagatcaagc cttgcctcac aatgaaaggc ttcaagtcac tcaaggcaca tgtaatcgat 180
taccaatggc ttgaaagtgt gtaatcgatt acacatcata tgtaatcgna taccagagac 240
tctgaacgtt gggaattcaa attntaaatg aagggtcaca actgttcaag aaaaacaact 300
gtgtaatcga ttacactaat tctgtaatcg attaccanag aggattntca aggaatatcg 360
ccaacagtca catcttatca tttgaatttt gaatggccat caaaagccta tatatatgtg 420

tga

423

<210> 12098
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12098

tcaccttctg gtctctctca tagttgttgc atgagaaaac atgctctatt ntcctctccc 60
actccaagta ggctctctga tcattctttc ctttaaattg aggaatgttg agtttaatac 120
catcaattcg gttttgtcta agaacaccat cattccctct tctcctcctt tcttcttcat 180
tatgatctct attctccatt tgatccaacc tctcatggag cgcctcatct cgttgcttca 240
ttaacctctc caaatgttgc atcanagctt gcatttggaa ttgcgaaagc cccactccat 300
cattatngat agtacctgac atctcanaca aacaaatcaa acgtaacaag acaattagta 360
gtgctgggtg aataccctca cccactcagt gtatcacaca attatggctt ttctctaata 420
aaacactctt ngcttttacc actctaattc ccttgagtct t 461

<210> 12099
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12099

agctttataa gcgcgggtct gggatacgaa ggtcaagtgg tcgcatata cgaagatgat 60
gttccgagta cattggattt ggtacgacca tgccctcctg atttccagct gggaaattgg 120
cgagtggagg aacgccccga catttacgca gcgagcataa tgtaaaccct tacgggtttta 180
aaagctctat agttgggcct aggctntaga gtnnttcttt tgggtaaggc tgtgtgtatt 240
ttgttaggtt taatacaagg atctttcttc atttgttctt acgtctctac ccattctcat 300
ccattngcat gtttacttct ttatttctga aacggcagat ccgatgacga gtcccccgaa 360
ggtctaatac 370

<210> 12100
<211> 194
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12100

acctttctact gaccctgagc acccngaate ttctttcttac cgataggggt tttagcctcc 60
caatgattttt cgtaccgatt tattcattca ctatttgata attaatccct actttttattt 120
tctattgatt tctattttcac aatgaacttt taaaaatata atatacaatc ttaactgctc 180
ttattatcaa atcc 194

<210> 12101

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12101

agcttgggca atctttattg tgcangccaa tatttaggggt taaggcccta taaattctaa 60
tatcttcata ccctacttgt aacacaagat acaaagaaac aaaatgcatg taaatcacia 120
atttcgtctt aaactattac tctgtcccct aaataaattc taaagtaata acactattca 180
agtaatccct agagtattga atattcatca ctgtagtccc taagttgatg tattggttta 240
atgtttaagg aatattttga ggggtattgt aatattaaag ggaaaacttt gttaatntct 300
aataattata ggactactta agtagttcgt atactttaac gatattttac tttagtttg 360
ggcgatcttc atcatacaag ataattgtga gggttaagggt aggccctata tattctaata 420
tctgcatacc ctac 434

<210> 12102

<211> 297

<212> DNA

<213> Glycine max

<400> 12102

acccatccga cacttatgca gcttgatacc cactattcga cccctgcccc accatacctg 60
aactatacaa acacattagc acccttgttt gtgttccatt tttccaaatc tgagagtcac 120
cggccacgtc ggtgcactat cgtgtgtgga gaggcataac tttgatagca acagaatgaa 180
acttgatct tgattcatgt ggggttctca tatctaaact attatgggtg gtggagattg 240

tcattgtgtga ggaggcaaaa ctctgatata ggtgccaacg aactcacatc ttgacgt 297

<210> 12103
<211> 439
<212> DNA
<213> Glycine max

<400> 12103

agcttatgtg aacgttctgt ataatgtata aagccacaaa agaaggcaac tacctgtctc 60
aagagatcca ttgtactgtt aaacgttaaa acaaatatct gggagcttat ttgacccac 120
tttgaaaaac gatattgaaa tacaatgaac aactaagtac tgcatacaag aagtacgcac 180
gtaaactaca taattcaata atgggttacac tcgtaactat tgtgtcacat tagtttaaaa 240
caagtacaac tttagcaciaa cttactacgt tgactaggga cattagattc cacaaagcat 300
acagtcgagc aagcccagct gatctcctag gtccttgact aaacaaagcg ctgattccag 360
atggaaatgg aaataggaca ccatgaggga ggacaaatag aactaataag aagctcaaca 420
gagacagcga gtacatctg 439

<210> 12104
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12104

cgatacanac tccanatctc tntcaaagtg gacctcatct tataatatga tgatacaatt 60
aatcaaacac cctctgctct gcaactgtaa cttccaatat gtaatctaaa ttgtatgact 120
ctttcaaata ctatagactc taccanatct aacattcttt atagttacat aacacacaaa 180
ctcagcatat tcttttagcgt agcgtgattc agcaaataga atatatacgt gccaaactcca 240
naacgcttgt gcagtttgta cacctggatt ntgcctttgc aacttgact tccatgatttc 300
caggtectat ttcaccttcg ttctttcttg gcattccagt taaccctcgg aatattctac 360
tat 363

<210> 12105
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 12105

agctntaggt gttggttcag tgggagggat tatcacccga ggatacttca tgggaagact 60
 gggactagct tataatccaca tatcaccttg atgacaaagt gcatttggaa gacgtacgga 120
 atgctacgaa ggaggaacct caagcatgat taatggaaat gttacaacac ctgtgtacct 180
 taggaactac atctaattggc attgagagtt gagctgacaa tcttgtttgc cttatctttt 240
 tctgtctgcc atntccattg tccaattaat tctgttatga atttgttatt acaaaattac 300
 aaattctgct atttttaata ttatatatat ataggaccca tgtaataaga cacaataatt 360
 gaaattacct agatatttcc atgcctctct tatttaggag gtcatgggcc tct 413

<210> 12106
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12106

tatcctgatg aggggtgttcc atatgttctc aagactgtat taatacatnt gctgcccgaag 60
 tntcatgggc ttgtaagtga agatcctcat aagcatctta aggagtcca tattgtttgt 120
 tccaccatga aacaccatga tgtctgttcc accatgaaac accatgatgt ccaggaagat 180
 cactatcttt tacaagctnt tctcattct ctggaggag tggtgaaaga tgggttgtac 240
 taccttgctc ccattgctt taccagctgg gatgacctc agaaggtgtt cttggagaaa 300
 ttcttccctg catctatgac cattgccatc agaaaagaca tttcaagcat caagcaactt 360
 agtggagaaa gcttgatgaa tacttg 386

<210> 12107
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12107

agcttatatc acataattga caaactctta ataaactatg cttagacca tcaacaagta 60
 aaacattttc tatggaggta gagggattca aacctatctt tccaactcca agaattntac 120

ctttgctggt gtctccatag gtcacatggt tactatTTTT ggaagaaata tgaataaaact 180
 ntgatgcata tcccatcatg tgttcagagc aaccgctatc aatgtaccaa ttatgcttca 240
 aggagtcttt cattcatata atcatatntt gatttttggt cccanatannt cttgngttct 300
 taaatgtag ttatgactaa cgatcctttt ggaacccata ccatttttct aatgctacta 360
 ccattctttc taatataaca tattgatgca ctataacctt tcttaccaca atanaagcat 420
 g 421

<210> 12108
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12108

agtatgtcgc ggccacagng aaagagttca ctaccataag cttgtagagt gtccatgtta 60
 tgttcctaga attcagagac tacgagacct ccagataaaa ggagattaat gagagcaaact 120
 ttattgattg ttatagctng catttctatt acaatgattg tccatttata ggcaccaaact 180
 acttattcta gttccttcta caagtcctac gatggaggct aacaataatg gatcttggaa 240
 atatcctaata acaaagatat attccagcag acagaatatc ctaattgccc atgatatggt 300
 ccttttagtg ctagactcct tcttacctgc taacaattct tctgtgttgg gttgcctcaa 360
 cataacaatt gattgatcca tataaaacac ctt 393

<210> 12109
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12109

agctngcctc anagatgtcc aggaaggaca aggtgttcga aggaactagt tccgctcctg 60
 agtatgacag tcaccgcttt aggagcgccg tacaccagca gcgcttcgag gccatcaagg 120
 gatggtcatt tctccgggag cgacgcgtcc agtcaagga cgacgagtat acggatttcc 180
 aggaggagat aggtcaccgg tggtagggcct cactagttac ccncatggcc aagttcgatc 240
 cagaaatagt ccttgaattg tatgccaatg cttggccaac agaggagggc gtgcgtgaca 300

tgaggctctg agtaaggcgt cagtggatcc catttgatgc agatgctatc ggccagcttc 360
 tgggatattc gttggtgctg ga 382

<210> 12110
 <211> 548
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12110

ccatcaaaga atgatgcaat cctatctcgc aagggcattg antntacata tgtacacaca 60
 tctctatatt ttctatgcat caagggaaga ccccggcgcg catgctgttg tcaactcgata 120
 ctatatatca tggcgcgcta cgaatatatc aaatgaccta catatgcatg ttactcctca 180
 ccagatgtag cctgtgtcta ctggtaacat tatcacgcac aaatgcattt catctctttc 240
 tagatcgttg atgatctcag aataactttg tcgagtcctt ttccaaaggg ctctggtctt 300
 gatacccctg ggtttttgtt taaaatcgac gactgcggag ttctccaacg acctgtacct 360
 cgtataccat tttgcgcgag caggatgtgt taacaaatct tgaatggtaa gtgtcattca 420
 actatagcta agcaacgcgt atgtatgaac gagtatgccc tcatatgaga gtgtacactg 480
 tgataattca cgccggcacg aagacaatac cgттаатата ctgntcgggc tgaactctat 540
 atggagcgcg 548

<210> 12111
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12111

agcttgaagg anaactatat gcattgttta acttggtttac ccagctagcc ttgaatcata 60
 aatctgtacc tgtcgcaaga gtctgtggtt tgtgctcctc tgctgaccac catacatacc 120
 ttngccctgt catgcagcat cctggagcaa ttgagcagcc ctaatctcat gctgcataca 180
 ttactatag acctcctcaa cctcagcagg caaatcaacc acagcagaac atttatgacc 240
 tcccatgcac atatacaacc ctggatggat gaatcaccct tatctca 287

<210> 12112

<211> 534
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12112

agggcgtccg gtggagacgn ctganacctc tcactacgga nnacctcccc ncnncnntn 60
 ttttaantca tegtgaacaa attaccacgt tttatattca gcacgatgag gtgttggagg 120
 gctttacgcg cacacttctc atatcatcat tcagttatac ggaacgactc acagcatacc 180
 tgtacgaatc gatagaacag ctccagtcta acagtacgct agagatggat tacacgcgat 240
 gcgttggatg tgttgcaaac ctgacaactc taacatagct aaatacttcg atgataagac 300
 atcatatggt tgattgtcga gagaatgcag ggaagctatc tggagtgtat ctagtttgggt 360
 agataagtat tgtaatgtac tgtattgagt accgaatata gtaggagtgt ataatacagta 420
 cgtggaagat atgctatagc tataattatt tacttcgtcg actcctggca tttctactaa 480
 tatgtacggt taatgttaat ggcgattaac atcatcgtag taacgaattg ttat 534

<210> 12113
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 12113

agcttgaagg tacgttatga tgagttagg agagggggaa gggggaacaa aattttgata 60
 gagagaagat gaagaatgaa gtatgaactt tgaagactaa tttctcatca aagtttcaaa 120
 atgcacacac aattgttctt tccctttttg tatttgataa catatggaaa ttgctctaatt 180
 aactetaccc attttgcatg cctgttatct aacttgcatt gccctctaatt gtacttaagt 240
 gattcatgat cactatgaat aacacactcc ttggaaacaa ggtaatgttc ctaagtttgg 300
 aaggctctaa ctaaggcata caactcctta tcatatgtgg agtggttgag agtggcatca 360
 tgaagtctct cactaaagta tgcaagaggg tgcccacctt gcaacaacat aggctcccac 420
 acctacac 428

<210> 12114
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 12114

ctcacggact tcggttggtt tcctacttat gctcttttagc tntgtgagcc aagttatccc 60
ttgcataccta gagggcaacc acttttgata accgccgatg atgccattgc tacttccccct 120
aagctcctta tctttccttt ccactgtact ccacgcttta cggactctgt gaagtatttt 180
tgcattggct tcaatgaaac ctgcgcgcac gaaaggcacg atgatctcct ccgatgacgc 240
acctctcata gggtagccta gttgtcttat ggctagcata cgattataat taatacaaac 300
cctcattccc atcaagggga catttgggaa tccttcacac gagcataaca cttctgcgcg 360
tcttctttcc accgagggaa ccagctaata gacactccta ccataacctgg taagagttct 420
tcctaattag ctgttccctt gtcgacacac atg 453

<210> 12115
<211> 504
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12115

tggtacnctg agacctgaaa ccctcanatc gggaatacag cgataactctn gatcctctga 60
gtcatctgca cgcattgcaac ttttttanct tttataaaag agaaggtcag aactatcacg 120
atgactataa atgccttgaa ggggatctaa gtgctctcta attattacat attatgattt 180
gggtggcatgc tcaccactga ttgtatcttt tgaaactcac cataactaat aaagcaaaat 240
ggatccctta tacacccgat gcttaatcag acggatacaa atacggagtg catgaacaga 300
tgaaggccta cctttcagct gtattagatc atatggattc tattattata gccatgccac 360
atgttcgaaa tcactaggat acctgctaac cagccgctcc attactgcta ggacacgata 420
ttatgcttca ccccgatgac ttaagcttga ctaaaccgga aggtttaatg aaggatagct 480
ccatcctacc gtacgttgac tccc 504

<210> 12116
<211> 537
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 12116

cgcgacgtcc ttatgtactc ttggatngtc ctcgannatc gnacacngcg actnagctcc 60
tactggttnc tcctacctaa acctcagact ttcgaaactca ctttaccgca ccaatgacgg 120
gccgtagagc caatcattct gcttttactg ctctttactt ccaccgatca caatgcagaa 180
taacttcatc tagtggcacg agcatccaat aagataaagg gatcattctt caccgtaccg 240
ctgctgtcca tcgacgtcac agtgcatgcg gagcaccac cacacctatt cctgcctctt 300
tggcatgtac cagagtagta aactgggtga tgtggacgat aaccgcttcg gtcatttct 360
agagttcttt cataattaat taagacctga gttctagacc gtaagtcctg atcaataaaa 420
cgtctgtgga cagcattgtt gcgacttatg gctggctggg acatgcatta cgtctgcaca 480
catcctgcct tgtaaagcct tcaactgaaa tacaatccag agcgtcactg ggcggcg 537

<210> 12117

<211> 429

<212> DNA

<213> Glycine max

<400> 12117

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atttaactgt ctttgggctt ggcggccacg atcaacagag tactttcgac acctactata 120
tgttgatttg accaacgctg ttatcggtat gttacgacaa tccttcaata ctttatttat 180
acattctgag aggttcgtta tcatgtggcc atatcgacgt acttctctat cataagccat 240
gggccatatt tcctttgaaa tgcgatcaat ccatgttgct atggctgcga ctcagctgac 300
gaaattcttc taaattctga tcaacaacat gcttgctagg agtgtagcct gcatgtaatt 360
acttagcaac aataatctga agtatacatg aaacttaaca taacatgacc atgatacatg 420
atatcttac 429

<210> 12118

<211> 288

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12118

ataatctaga gacanagaag gtgattatta gcagatacgt ggcgtttaac gagataggca 60

tgaaagattg gtcttcagag tctcaatatg agtcgatggc gatcgctgac aaccatgaag 120
aagattatga aaggctacta gatccaacac ctgatgagcc ataatcatcc aggaggccat 180
agaggaatcc tcaactctca gctagattgc aagattatgt catgtttaat gaccaagata 240
catctaataga agagagtatc aatattactt tatttgcaga ctgtgatc 288

<210> 12119
<211> 398
<212> DNA
<213> Glycine max

<400> 12119

gctattttat tatttcagct tctatatgga ctcttcacg ctcccggtta taggggcccc 60
tgccacaact ctattagtag attattagag taacttatat agatccacaa taatttaagt 120
ggataatttc gaaagcccat tgcagttggt caatgggttg agttagagtt ccgctatata 180
cattgccaga acgtaaatac aagtaatgag attggaaact tattccaaca taattccatg 240
ttaaatctct cttcttgtct cgaaatacta atatctaact aaactataga attactctac 300
ggatattgca gtcattatct cctctaaata tatttacact attactatat tccaaaaaca 360
tataaattag aagagaaaact cataataaac ctaacccc 398

<210> 12120
<211> 582
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12120

aatgcaggtc gcnennntga ttaccgctgt taganaccca atgcatntat gtgacactat 60
agcctactca agctggtaga gtnttccaac ctacacaaag gaanattctt ataagtagag 120
gtctgtaatt catggagaat gagagatgga gctagaatga tactgagaan atgtcaatag 180
atggcccttt gcaagatcaa gatgagctaa ttgatgatgt acccatgata ggactacat 240
tgccctaaaa tatttatgaa agatgcaatg cagcagttct agaacctaca tgatattggg 300
atgcaaagga ggatcctaaa tgaagggata caatgcaaga taagcttgcc ataattgata 360
aatatcaaac ttgtgaactc gttgaaagac ctgaacacac aacagtcata agtgtgaagt 420

ggatgttttag aaccaaactg aatgcagatg gctcaatcta caaacacaaa gcatgggttag 480
tattnacgcg tatgctcaaa ttctcggaga tatttctctg atactttgtc ccgtggcagg 540
cggataccat ttgatattgt agtatccaac acataaggat cg 582

<210> 12121
<211> 308
<212> DNA
<213> Glycine max
<400> 12121

gctttcatta ttctatgtac cgtggggcca catgggtcaa gtattttatt tcgttcagga 60
cttttatccc cttttgacgt gcttaaccat tttattaagt atttctccta acctaaaata 120
cataaattcc accgatcggt cgaattgatt attcgaaact gtggtataat gaattccgac 180
cgtcggtcgg ccgtaaccac gtggagatct aaagaggtaa atataattaa tctctaaaac 240
gtctttatat aaaaagcggg aataatcgga cgtttctctt ggattctcat tctattgact 300
gctataac 308

<210> 12122
<211> 146
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12122

agctttttct gcttcttatt agagagggan ggtatgactt gtgttgcaat gccgcatggc 60
aaaaaaccaa ctggaatggg aatgtgcacc gactacacta atctgacagg gctacccta 120
gacgtgaccc tctcccagcg taatac 146

<210> 12123
<211> 200
<212> DNA
<213> Glycine max
<400> 12123

ctgctgctgc tccctgatcg ccccgcaatt ttatatTTTT cgccgggggg tatctcccat 60
acgagattcg atttctggaa ctcattagga gtcttttagat cgtatacgga aaaatgttat 120
atgtattgta cgtatgtctt ataactttta gtgtttataa cctaattctgg aaactttttt 180

gaactgaatt ttgacgtatg

200

<210> 12124

<211> 396

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12124

agcttgatg agtttattgc atcanggaac aatttcactt tacaagtggg tcctaattgg 60

attcctaatt ntcaacttac ctatttggat gtgacatcat ggcagatagg tcccaacttt 120

ccatcgtgga ttcaatcaca aaacaaactt caatatattg gactgtctaa cacggagata 180

ttagattcta ttcccacttg gttctgggaa ccacactctc acgtattgca tttaaacctc 240

tctcataatc atatccatgg tgagcttggtg actacattac acaatccaat atctatccga 300

actgttgatc taagcacana tcacttatgt ggtaaattac cctatctctt caatgatgtg 360

tatgagttag acctctcaac caattcattc tctgaa 396

<210> 12125

<211> 319

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12125

acatacatct cttgagtctt tttctctgtc accacactnt cacctgctaa ctttctcttc 60

acttactctg actcagttac ctttcccagt attctatgat gttccattct tctctcacga 120

tcacctctc tottatgcac agcatcagaa accacctttc tcacaccttc ttcagtaact 180

tccactgagg gcagttcctt cttgtgcaga gtctctgata tcacttcaga gagagccctg 240

tcttcatcac caggcctcag ttcgtccacc aaatagtcct tcacagaaac ccgcttggtc 300

tgttccacac ccatactac 319

<210> 12126

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12126

agcttggtata taatgttact cgcaaactta gcanagctaa gattcactca atttgctcga 60
gtatccttca tctagtanaa ctgacagcgt tacaacattt gttcgttttg tctctgatta 120
ttctcttatg attcgacgtt gttaacacac acatctttaa gctttatata gacttttagag 180
ctctcatctg ttgagagatc ccaactaacc attggctaatt agctttgtcg cttgacataa 240
ggccactatt gtgcagagag agaattgtgaa gaccacaaac actttctgca gcatatcttc 300
aaaagagaca atttgtca 318

<210> 12127

<211> 256

<212> DNA

<213> Glycine max

<400> 12127

atgagaagga agaaattcgg agcccatcct cgctcccccac aagtatataa catctattta 60
tacttgctca aactggatgt acacctacaa ttccaccgaa acgaaatatg actcctcgac 120
acccaatttt accctacaca tggctcttag ctactatgg tgatttgcatt ttctctctgg 180
cacagaccaa ggttctcata aattctaaat gacattacag actacggtga actcacatta 240
acctccaaat accact 256

<210> 12128

<211> 461

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12128

agcttcccga caaacactta aaggagaaga agattaatag gaagaaaaaa gttaanatta 60
acttacgaac cttacaatta ttagaatctt tctcatctaa ctactccaaa agttgactgc 120
ataacgtgat tttatcttag tggagaagtt ntatttattt tacctcccta tttcttctcc 180
tataggtgat tgtagaatgt acagaagctt atacaaattg aactattact ntgcttatcc 240
aataagatta gatntatata cttgctagat gcatagtcta ttaaaaagta atattacacg 300
aagttttgga ttattgaatn tagtctcgta gcagtttatt atttattata aattgaanat 360
cctttntgaa cactntgttt aatcggggttg actagttatt gactaaccat tacttgacct 420

attaatgtta gtatacatct catatcatct cactggatat a

461

<210> 12129

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12129

tccacccna tatctcaagt tttaggtaag aattcaagac cttttggaag gtacactgaa 60

ttaattctct cagagtctcc attgtgagat ntgaaagtga gtaatctcag gtttggcatc 120

tttctgaata ctttggagct taaatttata tgtgtaattt gagtcatatc taaccatatt 180

ccttcaactg cagcagttcc ctgacaaata ataattagaa ttaatgttta catcttttgt 240

aataatttgg catttttata ccaagagttt aggaatgcaa gtcaaagtat cattaacata 300

ctctattatt tgtcaataca tcatagatnt ccacaggatc ccacaatcta ctgcggttgcc 360

ctgganatnt aacagattct tcacgaacaa cttctctacc catttcttgt atcagatcgt 420

gcatactat g 431

<210> 12130

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12130

agcttattac actcatctct tctctattaa aatgtattac tttgacacct ccttagtcaa 60

tactgttaac ttagcgtctt aatattagtg aaagataaaa naatatcctt aaaaaatccc 120

aaatttttaa ttttcaaata attaaaaata tacaaaacac ctctcctccg cactcacccc 180

caccgactcc acctttgagt ggcagaaatt cgtagctata tagtttgaga tcttgagcaa 240

cttgaagaag aatcaaggga ttttgcaaat agaatacttg acgtaagaaa ttcagatatc 300

aaattcttaa tctagttatc agaaaagcat tattgttttt aatcaagaca ccatattcat 360

tataactnga caaacactac atattaatag aaagggccaa gacaatgaac 410

<210> 12131

<211> 414

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12131

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atcagactca atgcttgagg ggttgtagat catccaanat gggaatccca ataataccga 120
ctcaagagac aaggacaact catgcttaag catttatgcc attatgctta atgcttgagg 180
ggttatacac cgtccaagat gaatatccta gtaataatga ctcacgagac aaggaagact 240
cacccttaag cattctangc acaaggataa atgcttgatg ggttgtagac cgtccgagat 300
gagtattctg gagatattgc ctctagttag gagatgactt agccctaaac atttatgcga 360
caaggctgaa tgcttgaggg gtatacgcca tttaagatga atatcccaga aata 414

<210> 12132
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12132

agcttatgcg catatnttct taaaaacggt ctcttgacac agacattcta nntaaccgaa 60
aaaatgcacc catatacaat caaggcagct tcgttaccta gattatttac acgtacttcc 120
aaggtgtatt tggtacttac atcacacaca tctccttggc taaattcaca tacatgcata 180
ctcaaagcat tttggggtac caaaaattgc acatgtgcac atcttggtat ttctaatacc 240
tatacataca caaacttcat gatgaatctt gactatctac acaataaggt gctacatttc 300
atgctctttt caagtttttg ctacctaaag cgcgatgcaa attcaagtat atcttccttt 360
gctgactaaa attgtattca aattaaaagg tatacatttt ttggaatgta tcttcttaca 420
taacatgcga catatttatg tat 443

<210> 12133
<211> 377
<212> DNA
<213> Glycine max

<400> 12133

tgtttgagaa atgaaattga gaatgacgta cattgggagc aaaccctgac ctgccacaag 60

tctataacat caattttaaac ttgctcaaac tggatctaca cctaaaattt caccgaatca 120
gaatttgact cctcaacacc cacatttacc ctagaaaagg ctctttgggc actgtgggca 180
tttggttctc tctattgcac aatccaagct ttctataagt actaaatgac atttcaaact 240
aagggttaact cactttaacc ttcaaatacc actaaattca gatttggcct ttccactctt 300
caaaacataa tctttttaca ctcataacag catattatta ctatctaaca ctagggtaac 360
tctacccttc atctcta 377

<210> 12134
<211> 407
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12134

agctntgagc caattttatt gataatatac gtttactcgg atgtccaatt gagtcccgta 60
atatatcgac acgctcgaaa ttgaatggtg aagctctgag ccaattcata caacaataac 120
tntttactcg gatgtccgat tgagtgactt aatatatcgg gagctcgaa attgaatggt 180
gaacctctga gcaaattcac acgacaataa ctttntagtc ggatgtctga ttgagttccg 240
tcatatatcg agacgctcga aattgaattt tgaacctctg agccaattca aacgacaata 300
actntttact cggatgtctg attgagtccc gtaatatatt gagacgctcg anatngaattg 360
ttgaagctct gagccaattc aaacgacaat aactntttac tcggatg 407

<210> 12135
<211> 371
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12135

gctaacattc aactntgtgc gtctcgatat attacgggac tcaatcagac ttccgagtaa 60
aaagttattg tcgtatgaat tggcttaaag cttaaacatt caactgtgag cgtctcgata 120
tattacggga ctcaatcata catccgagtg acaagttatt gccgtttgaa ttggctcaga 180
ggttcaaaaat tcaatttcga gcgtctcgat atattacggg actcaatcag acatccgagt 240
aaaaaagtat tgctgcttga attggctcag aggggtcaaca ttcaattttg agcgtctcaa 300

tatattatgg gactcaatct gacatccgag taagaagtta ttgtccgcta aattggctca 360
tacgttcaac a 371

<210> 12136
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12136

agcttgcana tctttttatt gaactgttat tcaaaaccaa gaggtgtgtc catgtagact 60
tcctcctcta agtccccatt taaaaaggca ttctttacgt caagttgttg taatcgtcaa 120
tctaaatttg cagccaatga taagaggact ctaatgggtg taagttttgc aacaggagca 180
aaagtttctg agtaatcaat accataggtt tgggtgaagc ctttggcaac tagcctggcc 240
ttgtacctct caacaaaccc atttgcgtta tacttgatag taaacaccca ttgcatccc 300
acggttggtt ttctcttgg taggtccacc actttccaag tctgattntt ttctagagct 360
ctcatctcct ccatgacagc ttcttccac ttaagaaccc ttagagcttc ctgtatatct 420
cttgggtattt ctatanttgt cagttcacia gtaaaagctc ta 462

<210> 12137
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12137

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anatttaatg atggaagctt gcttgtggag cttctatgga ggctggatct ttgagcttca 120
atggggctct ttaatggtga ttntccacta tggagatgca gcggaagaca aagganaaga 180
ggtgagagga ggtgccatcc ttangattgc atcatcaaat tcctattttg actgctagaa 240
ccagaaaaga tacattnttc tccttatctc ttatgttgct tcgtattaaa ttgcaagatg 300
tttctatata ttggtcctaa ttnttaatac tcgctcatgc atgttgatta ttttgagaac 360
attangttnt ttataatnta tgaatgatcc ttattgaagg actgctgtct gttagaggtc 420
atatgtaa at cactgtccta gttntataat ttataatact 460

<210> 12138
 <211> 268
 <212> DNA
 <213> Glycine max

<400> 12138

aatatacctc aaactacatt tattgattaa cctttaatat tgttaaatac cttattatat 60
 aattatattt tttacgtaat gtttatatat ataatatatt catttatatt tcaatgcaat 120
 aagtataaat attaattacc aatgtaggct tcaatatatt tattataaaa ttttaattcca 180
 cttattaata aaaataaaact atatgagtat ttgggctgaa tctgattctt taaatgaacg 240
 aagctatttta catattaagc ttcaaagc 268

<210> 12139
 <211> 536
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12139

cttgctgcat cttgaagcca catctattan gccgcactat agantactca agctcggtag 60
 atgtangntc aactagagac tcacaagatg tgctcgtgaaa tatttagatt acttgaacaa 120
 tggctgcacc atttgtggtg caccatgagg ttacactaa caactccata ttataacacc 180
 taatgaacaa tcatttgctt cgatctctct tgtattatca gagaacatat ctgggtatata 240
 taatattgta tattattcat ctctatgccaggaccgcat gcgatttcta accaagattt 300
 gtcatgagag atgatataat aatatctcgc tattgtacac attctatcaa tatttattat 360
 actcttcgtc tccctttctc gaatatcaca ttaactatca tatatatttg ccttttctct 420
 cgttcttaag tgtagatata tctgaggatc aatataatta tccgaccttt attttgggta 480
 acgctcttgc ctcagtcata tttatcttat atgagttggt atattacaac tcaact 536

<210> 12140
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12140

agcttactaa tctggttttaa atcctttccc ataaataaat taaattcaaa tctagataag 60
 ataagataag atctagatta aataatatct agatgagaaa ttcaaatacta gataagataa 120
 gatcagatct agattaaata atatctagat gagaaattca aatctagata agataagata 180
 agatctagat taagtaatat ctagatgaga aattcacatc tagataagat aagatctaga 240
 ttaaataatg tctagatgag atcaaatacta aataatatct agatgagata aagatcagat 300
 aagatctaata tntgtagaat aaaatagtct gccctcttca agtccaagcc caattctgga 360
 ttcataccca tgcccgatcc tgga 384

<210> 12141
 <211> 320
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12141

atgaagtgtt atcaagcatt cggaccacct tcacctctaa tatggatgcg gtagcacaat 60
 gtgtcttttg actcaanaat tgcttccccca ccagttctac gacattgggtg aactcctacc 120
 atacaccaca tgacaaaaac ccaaaacact tcttagaatt ggatgtctca cattntccag 180
 tgatgacctt tanggatgga tcttcaagat attccagttc ttgagtatc acgttacacc 240
 taacgaagaa tgaattaatg tggagtcttt ctacctcaat ggagctgcat tggtttagta 300
 tcaatggatg tataaaaaatg 320

<210> 12142
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12142

agcttttttat tatcagtaga tgaagatgaa tctgtggcca cctcatggac tcttctaaga 60
 acaatatcat catttcttgc actgaatttg tgggagccat cttctcaatc aaatttctag 120
 cctcaacacg gtcatatcac caaaagcttc accattggca gcgtcagtc tactcctctc 180
 catgttgcta agtccctcat agaaatattg aagaaggagt tgctcagaaa tctggtggtg 240
 aggacaactt gcacacaatt tcttgaatct ttcccagtag ttatacaagc tntctccact 300

aagttgcctg atgacctaaa tgtcttttct gatggtagtg gtcctagatg caggggaagaa 360
 tntctccaag aacaccctct taaggttatc cagctganta tggacct 407

<210> 12143
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12143

cgcacatcgt tcacgtctat gatatccaat cgacaagggt tgaagtagag gagaccttca 60
 atcctataac gcaacgtggc ggacaaaagt gggctgttaa cttgaatggc cattattgtc 120
 aatgcgaana gtattttgcg cttcactatc catgttcaca cattattgca gcttgtgggt 180
 acgtgagtat gaactactac caatatatat atatatatat atgttggtta cacaaatgag 240
 cacatcttga aagcttactc cgcacaatgg tggcatcttg ngaatgaagc ggcaattcct 300
 ccttctgatg gcgcatggac acttatcccc gatccaacta caattcatgc ganagggttg 360
 ccaaaatcaa caaggataag gaatgagatg gattggctcg aaccatctga gcaccgac 418

<210> 12144
 <211> 310
 <212> DNA
 <213> Glycine max
 <400> 12144

agcttatgta ttactttatc catatcacat gtacaaaagg gtaacacaat aatcacgcac 60
 aggtgctggg tgtaccagca actctaccag tgcattgtag acattcgctt gattgtttgc 120
 aaaaaataaa tggaagtcca ctaagtcagt gcaatgattt ttgtccacac acacacaaca 180
 tatcaaatta ttgggctgca cctcgtacta tatctaaaga tgatgattgc ttgcattctt 240
 acataaccaa aagtttgaac aaatttgtaa taagcagcaa cgtattgtag ctatcaccga 300
 ggatgagatg 310

<210> 12145
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 12145

catatattgat catcctacta agacgactga gagaactggt gcacataaag acggtgacga 60

tgacggagac acccatgctg tgactgccat tctgtaccg acaagaatcc caccaaccgc 120

acaatatctc tactcaatca ataacaaact gtctccttac ccaccacca gttatccaca 180

taagccatcc ctatatctac cacaaagtca gtctaccgca cttccaatga cgaacaccac 240

ctttagcaca aaccatatac accaaccaag aagtgaattg tgcagcgaga aagcctgtag 300

aattaccca attcagtgtc ctatgtact tgtccatat tacttgatat tcaaggagcc 360

ataccctatc aacgtcatca cctcca 386

<210> 12146

<211> 189

<212> DNA

<213> Glycine max

<400> 12146

ctgctactga cctgaacgg cctcaacttt catatttaag cagaagatga catacgtcag 60

tgacatacct ttgtaaccct cagatggatg atccctgtaa cacacattaa tctacaagga 120

tctgtattac agctcaattc tgcattgata gattttgggc tactcatttt tgtcccaaag 180

tcatttacc 189

<210> 12147

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12147

agcttccgta aaatttatat ggctataact gttgactcgg atgtccgatt acaaccataa 60

tgatgcaatc ctacccccaa agcttattgg atagaagact ccaagaggat tgggctagag 120

cggctaaaaa aggccctatg gttctcatga atcttaaggt agatttctga gcccatgggc 180

caaggctggg tccactcttc tttgtaaata ttagaatagg ttttccttct tttgngcctt 240

gtatatttgat gcaatcctac cccccaatct tattggatag aagactccaa gaggattggg 300

ctagagcgac taaagaaggc cctanggttc tcatgaacct catggtagaa tttttagccc 360

atggtgatgc aatcctac 378

<210> 12148
 <211> 438
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 12148

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atctctttta tcttagtgag agtgattctc ctacattctt gagtgattca agaacacctt   60
ggctgtatca aaggactntc acaacctttg tgtgttgccc ttgctggaaa gaggtaatct   120
ttccttcctt tcattcatcac ccttggttctt tcaaaccaca attccagaaa atccacctct   180
gccagaatt atctcgtggc cataactccc attttacgca ctcaaagtaa gtgattcttg   240
agcctaaatt gaatntcaga acgagacctt tcacctcggt ntggaatcac ctcatattgga   300
gccctgtagc ttcagttatt gccatgtcta tatttctgtc cagccaccac ttaacctacg   360
ttgtaccatc ccattcatgc attgtatgcc aagaaccacc ttattaagac ccacgaaatt   420
agccacctta ttttccat                                     438
  
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<210> 12149
 <211> 363
 <212> DNA
 <213> Glycine max

 <400> 12149

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tctagcttgt atagttccgc aatttatggg tattgtgtag tgattcttga acataaatct   60
tattttatgg ttaacgctat ctctagaaca tttccattgg atttaatgat g      ctgtg   120
catttttatg ggaaaaaatg ctatgttttg aattgcaaat tgtagcactt gggtaagct   180
taacagttgg gctaagcgca tatccaccgc taagagtagc tttagtgcgc ttagegc     240
ggagaatcta gtagagcatc agcatcaaag tcacgcgcta agcgcc      jcacta   300
agcacagcaa gtgccttcag tcaggctaag ctcgagacta g      ccagcc c      ttactt   360
act                                     363
  
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<210> 12150
 <211> 214
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 12150

tctatactnt gtacaagaat gaagctctga taccactcgt tatccaagtt gtcctcagat 60
atcttaagaa aaggggnggg ggggtgaatta atatattcca aactgtttcc cctaattaaa 120
atatctatat cactctttac tcaaactata aattccctta atgaccatct tcttatatat 180
taattcaaac aaagcaactt gaatatgaat ataa 214

<210> 12151
<211> 446
<212> DNA
<213> Glycine max

<400> 12151

agcttggaag gtagtcatac ttcacataat atatgtatgt gtgttttaggt agtgaaaatg 60
ccttagatat gcatgtatgt aaacaaaaaa atacttcaca aaatatatat atatgtatgt 120
ttaggtagaa agataccttg gatatgcatg tatatagcaa aaatacctta caaaacatat 180
ataggtatgt ttaggtagca agataccttg gatatgcgtg tatatagcaa aaatacctca 240
cacaaatata cacatgttta tgtagcaaaa tacctcattg aaaataaaca tatgaacaaa 300
caagaaaaga gataaacaaa tgataaataa ggatgagaaa aataagtctg ttagctcgaa 360
aaccgatatg ctgttgacaa gagatgactt ccaactcttc ttgaaaaat cactgatcat 420
aactcagttt tataaatgtg tataca 446

<210> 12152
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12152

gagcttgaga tgagttcgtg agtgaatgtg aggttctaga gggtgaggag acatccttac 60
gcttgatattt attcaatcct tcatntttct cttctctttg gtgaaaggaa gcttcccagt 120
tatggagatc taaatctgct ggtggttctt ccttgtaggt acttgatgta aatacctgta 180
tatctattta atgatgctnt gtgtgtcact gggctatcag aacttcattc taccatgcat 240
ttgccttgat cacgtagatg tatgtgtcat taggatcatt caacaatgga aattgggtctg 300

attcttagaa catgatagga cggggctagn ttatcgtatt atcac 345

<210> 12153
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12153

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 taactctctt gagtgatact tgtattgggt gttatcttgg ttgttgcac ttagtacatt 120
 tgatatttgt attacattat gcatcatcat ggtagtggtg aagaaaagtt tcaaagttag 180
 aaattttttt tcaaaggcaa aaattctctg cttaaatcaa ttacaggggc atcgtaatca 240
 attacaacaa gctatttggg gcttgtagag ttgagtcctg atcagtttaa ttgattacaa 300
 ctatctcata atcgattaca ctgttgtttg ggacaatgac tgatttattc aggagtctct 360
 actttaatcg attaccaagt ggattaatca attacttctt tctcgtttag ttgtttagaa 420
 gtgaacaaga acactttaat cgattactta gagcatctaa tc 462

<210> 12154
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12154

ccttctggag gaatcttctg gaaggcccat gtgggcctga ttgctattta caccacttt 60
 ntactaaatg caccncttn tctatttatt tgtaattctt tttgcgtaac gttacgaaac 120
 tttacgaatt tcgtaacgat acttattttc cttccgtaag gttacgaatc cttacggatt 180
 atgtatttac tccttcttta ctttcgaag aagtcacgga aacttacgga ttgcacaaaa 240
 acacctcttt tgacttccgc cacattgtag aatttcacgg atcgcgcaag cctgcttcct 300
 ttagatntct gagacgtctc gggacttcat ttgtgtaaca aaggacgcca agtatctcaa 360
 agcggctaac caaagatcgc atgtcatcaa gtaataatcc ccggacaaaa taaggatatga 420
 ca 422

<210> 12155

<211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12155

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agctntagaa cctgatttaa gacgttcaga aactgctggt aatcgattac acagtgcaaa 60
ttatgaattc aaattgtaat agctgacgta aatcagattt tgccactggt aatcgattac 120
catagagtaa atttgcgtgaa gaaagacttt ttaacttaaa tttcttggcc aaactttgtg 180
ctacttcaat tgggaattccc ttaactatata atataccctc tctaagactc tagagactgt 240
cttgatcatc catcatgaat atctctaag tctttgtctt gaatatagct ttgagacgca 300
tgtgatacta tggcatcact caaacattca gcttgatcct ttttctacaa ctacttgtgc 360
ttaatttcca cttattcccc attgctcctc tatctcttcg ggattaacta cttagtccat 420
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<210> 12156
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 12156

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ctcagggtcc acttatatcc catttctacc aactacaaag cctaagaaca ctatattatc 60
tacacagaac gtgcacttct ctatatttac atagagggta gttttcctaa ggactgaaag 120
aactttcctg agatgtccta cgtgatcatc tatgtccta ctgtactcca acatatcgtc 180
tctataaaca actacaaatc tacctatgaa atcccttaag acatgatgca taagcctcat 240
acagggtgctt ggtgcattag tgagcccaat aggcactact agccattcat acgaatcaca 300
cttgggtcttg aaagcgagat tgcactcatc actctt 336
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<210> 12157
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12157

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agcttggtgt tctccattgc actgatgacc atgacaggta cgtttcattt cgtctaccta 60
tggtgttcta ttgaatagct aggtctgttt ctggaacctt tggttaacct aaggaccttn 120
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tttggtttct ggtgcaagga ttagggaact cgtcgtgacc tgagacccat tgtcactgcc 180
attgaatggc cgagtctcga tgccattgtc agtgatgggt tcgagggcatg cttcatgtct 240
tcattgtaac tttatgctat cgcgtacgtg ctctttgtgc tcactttctct ctgaagcatg 300
tntatgttcc cattgtaatt ngttcttatg aaaactagat gggttattgtt agttagattg 360
gtaattagtt actactacta c 381

<210> 12158
<211> 344
<212> DNA
<213> Glycine max

<400> 12158

tctagcaaga agcttctgac agtttatgac tatgataatg aggcagtgga agcaatgatt 60
agttgctcag agaagagagg agccaaggca catagcagca cctgcaaaac caaagaagg 120
ttctggaagt gtggaagcaa aaggaccagt tgagagactt caaagtaaga aagcacaaga 180
tagtggtgag aatgggtgggt ttaacattga gtgcagggtgt ttggatcaag tggactcttt 240
gggattgata atgatcacca atagaacgag gtaccttata aattggctgg tgaactccat 300
gatgaagctg aagcacccta acgcagaggg gttcccctag tcaa 344

<210> 12159
<211> 552
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12159

aaaacagaag agggannnaa gggtagagacc ttgaatacac tggactatcg gcgaannccg 60
cgagcctctg agacactctg aggcattgctg gcgcgtgcag catgttatga atctgttcat 120
cttcaagccc ttggcgagaa tatgcgcata atgcggtaca gtactgcatt actatccgtc 180
tattggctga ctgatcacat tatcccgatt aatgtgagat attgctgtgg gcgctctgat 240
ttacgagact attgaactat ggccaatctc ttcttgcatg tgctgcccac atacagtcc 300
acctgctctc taatttctac cttctactct atccgcaagg agtctagcca taccgcttgg 360
catgcagaat accacgctcg catgtactca acctcgcatg aatgaaatgc tactacatgt 420
tgcacccctg aacaccagct tattgggtgca cctaagaact tgatgagaat cccgtagtgc 480

ttccggtttcc accttgacta cacaccagtc cgagtctgat atacccatcc acatacgtga 540
 tgattatgat cg 552

<210> 12160
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12160

tctcgcanaa cagtgggata ctgtctggtc ttcctatgat tctacctagt gagagtgacc 60
 tgagtgacca gtgtgtagtt tgttctccta cgcgtctgat gaggtttttc actacatggt 120
 accatattgc atataagatt aagtcttaat atatctgttg cataacgttt gtgtaatgat 180
 cattgtgact tgctacgtga tgatgggtaa tgagtttgta gtgtgatatg ttgtgttgta 240
 cgtgttggtc tgaacacatg attaatgtga aagtatgaaa tggtgatttc tgattacatt 300
 cttgggacaa gtgatgttgc gcaatgagtg ataaactgat acggattgta ctaagtagag 360
 cttgctatac ttatatatgt gtgtgtgtgt gtgtgtactt gcttattcct acct 414

<210> 12161
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12161

gaagagggca ttctattgat tangaacaa gcagtaagca ccgcgtctcc ccaatgatgt 60
 gtacgaacat tcgaatttag cattatggaa cgagcagttt caagaagatg tcgattcttc 120
 ctttctgcta taccattttt gtgtggagtg tgtggacatg tggactgatg tataataacct 180
 ttggaagaca aaaaagaaga aagatcatgc gagaagtact ctttagcatt atcacttctg 240
 aaaattntaa ttggatcatcc aaaatgattc tcaatctcat tgagaatgac acgaatatag 300
 gcaaaagtgc agatctgtct ttcattagat aaaccaagt acatctggag aattcatcaa 360
 taaaggttac gaaatatcga ataccaatag atgtgac 397

<210> 12162
 <211> 428

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 12162

 atttaccgga tttcttcttt ctattgttga ccaatttgat atttctgggt gtgtttgtgt 60
 tttcaatcgt attctgcatt gagcttcatt tatttctagc aaaactgcat cataattctg 120
 gtatgtctaa cttttttttt aatcttttgt cccttattga atgttcttaa ggaccaagtg 180
 gacaatttat tcaaggaatt gaaagagatc catgacaaat tcttagcact gatgatttcc 240
 ttgtgtgcag caaaaaacag tgacacggga aattctttgn tcgcaaaaca acacaagctg 300
 atgatgtctt tggtttggcc cttgtcttta ctcttcttgg taccttgnga cataacttcta 360
 ccataatacc ggacacaacc ttttttctat ctacatgtct atgctatgtg gaagtgtgtt 420
 caatctgc 428

<210> 12163
 <211> 450
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 12163

 agcttataat aatgatatag cctatatcat ttccaaatat gcatgcgaat taggaagcat 60
 caacaagaat caagccaagg ctattgtgca agcgatcaat ggggcaaaac acaccaaagt 120
 attatgatga tggatgactc gaattctcac aaaggtaaac ttatcacttt cagattgagc 180
 tttcaaaaact atcatgacat gtgaaggaaa cacatagatt tccaatcaca taatgtccag 240
 agacttttat gttcagaaca attaccatt acttgaacat atactataat tcaaagacaa 300
 acatgcaaat ttaacacaaa aaactaacia aattagacta gaacccgaca naactaacta 360
 aattaaacta atttaacaca actaacaaaa ccaaaaccaa agaacacact ccccgctact 420
 aatacttaaa caacacattg tcctcaacgt 450

<210> 12164
 <211> 276
 <212> DNA
 <213> Glycine max

 <400> 12164

cttgataatt ctttgatagc ctttgacctt gttcccttcc ttgtttgaac tactacagcc 60
 ttaatgaaaa ccatatttcc atatcttaag aatttggagc ttggaattgt tgggaaaagt 120
 gtggggggtt tgttcttggc caacttgttt gtggctatct tatgatgatt tgggcatctt 180
 gtgacattga tattggtaat gtgacatgct gagaatgtgt tctcaagcta agagtaaaaa 240
 aaaaaaatca aaaaaaaaaat tcaaaaaaat cgaaaa 276

<210> 12165
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12165

agctcttggt gtctctctca ccaccacct ctttcacctt atcagcaata gaaacattag 60
 ttgagaaga ttgtgtttcc actgtgacat gaacatgaac atccttttgt gttgttgctt 120
 catcatccat ttctgattgt ggtttctcat tgccttgac tggaaattgt tgctgttgat 180
 ggtgatggtg gctccttggt cttcttgaca tggatgatgc atagtgcgt tctgctgcaa 240
 gagattgaac ctccattaat cttgctatct gggaaattta ctatgatgat aatctctaac 300
 angctctctc tcaacttaatt ttgtgtggtg anatctctca aagggaagaa gccatcatgg 360
 ctatagctgc acctcttaga cagcaagatc actcttg 397

<210> 12166
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12166

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 tgaagcaatg atctttgacc agtgaccacc aaagagaatg agctaatacc tcacctacaa 120
 tctcgtaga gtatgaatca gattttgaag ttgcctttat tttttataag tttgttgggc 180
 aggtcctttt ttttatccat aagaattaaa ctgggtaccg agagatctat aatactcaca 240
 caccttactc aactaactaa agtaaattccc gtagtggtga tgcattgggt taatatcttt 300
 tagaatgggt aaacttgtgc atgtagctag tccctttatt tatacgaggg ctaaactggt 360

atacttgctt aagtttgaga ttcaagagtg agattntaga atcaacatga t 411

<210> 12167
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12167

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 gccatattgg aggtcagttc tttattttaga ggagaagtga tcagtttttt aattctgagg 120
 ctgtagcttg tgcttgcaat aacacctctt caactacagt tcttattcct cacagggaaa 180
 gggaacacaa tctctgtatc attgctcagt tgttttgttt attttgggcc ataactctga 240
 ataaattata taatgaactg gcttggtgaat gtgtcagcta ctgggtagtg tatattaaat 300
 atcagtgaag agctttctga acaatgcggt catttatcgc tgattccagc tnttgggttg 360
 gtactaaaca cgatgaattg tcttatgcta ggatagtgtt catttttaat annaccatat 420
 attagtatag tcagactgat tcta 444

<210> 12168
 <211> 253
 <212> DNA
 <213> Glycine max
 <400> 12168

agcctgctga agacatcgta gagctctctg ataattatag atacccatga accagagatc 60
 gaaatcatcc acagtaacta tttctatgta ttattgcgaa ggcttctcca cattctgact 120
 ttagacgaca gactatatct ttgtaagggg aactgacacc tgaactgaca tatacattgc 180
 actaacatat cagcagaagt gtgaagaaag ataacgagac tgctcaaaac atttgataga 240
 ctaacactat aaa 253

<210> 12169
 <211> 125
 <212> DNA
 <213> Glycine max
 <400> 12169

agctgatact tatgttgtgt ggcggactta cttcgtgta atgattgccca caccagcttt 60
 gtgcactgtt ctgtcttccc gtgacgcttc ctttcatgat ccgctgagtg ggcttatagc 120
 ctaaa 125

<210> 12170
 <211> 524
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12170

agatgggtctc nncgncgttg aaaatcggtt tagcngatag nanancccnt cncnnaatag 60
 nccacgcgcc gccctncanna nagcanngga aactatttct ctatnnacta tctgtattta 120
 tancngcgag aggagtatag agtacatggt gtgggtttctc gaaggctcca tcccctacct 180
 aacacattac atatacaata tatagctatt aactctaatt tacgtaattt ctaagataga 240
 tttatattcg tcgacaacat gtactgtgag caacatttta taagtagtaa ttatttcgag 300
 tagcatattg gtacatttca atctatgatg atataagtat acggagtaat acggactgtc 360
 attatatcgc atgtgggtcc tcgttcaaag attattgtga taggtaccgt taagagtaat 420
 atatttatct aagtctaatt gtgcttgtct gacgcgggta ataatcagct cttataaaat 480
 attctctaaa tcttgctggc atgtgtgttc gtagattaca tttta 524

<210> 12171
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12171

agcttgatga gtntatgtac tgcccagagt tcacaaaatt aacgtggcaa gtgatgcggc 60
 actagaatat gcacgtcaac cctacctgtc agctctagca taggaatgag gatgtaacac 120
 ccttagcaac caggccatta gaccgacagg ttattaacaa atatctatat atttaaattct 180
 taatgataat gttatgattc gttcatcaag ttacaggtagc ttatttatct ataagcgatg 240
 aattatctac tagctattat ctataagata tgatgtatct actagctatt atctactagg 300
 aattatctac aagaagtgtc caccactgta atagctccta cagtcaagga tctgaagctc 360

ttatcccacg ctataaatac cagctcctgc attaatttg gttccatac 409

<210> 12172
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12172

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 cctgtggata atgactagta tattcattca ctcatgggtc gaggtccgaa gagactttat 120
 gaaatggact taatatctaa gtgaaaggtc actttaagac tctaagttta agaagtatac 180
 atcttaccat ataatcgaga aggtacacna acccgctaac atgaagccaa aaagacacac 240
 gaagctttta aggataatgt gantggcata tagcttatac taagagcaag aagacacaca 300
 tttatatatg agacaagtga tattagatga cgcacacata tagatagata angtatctct 360
 atttgtaag tanatgacac acaaaagctc ttgtaaataa catatagata aacataactc 420
 tcttatacac taattatata gaactcntaa gtcttagtaa ctacta 466

<210> 12173
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12173

agcttgatg tgcgtacccc accattgttc atagtataac attggtaatg tgtctactat 60
 tattgtgatc atctctttct ccggcattgg aggtgccact tgagctgcca ggtctctcca 120
 cctttgggcg tattctttga aagatctgtg ccccttattg cacatgttct atagttgcat 180
 cctatccgga gccatatcag aattgtactg atactgccca acgaatgcaa ccattagggtc 240
 tttccaagaa tggactcgag aaggttccaa ggtatgtgta ccangtaaca gctaccaggt 300
 aagactttct tggaagacat gtatcagcag tttctcatct tttccgtatg ccccatctt 360
 ccgacaa 367

<210> 12174
 <211> 421
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12174

tctacttatg tggcagggcg ggcttccttc actatcttgc ctcaaccgag agctctgacc 60
accgctcttt ctttccgga tgcttctctn tatatccgcc tgagtgggtt tatagcctaa 120
accatacttc ccacgatata ctttggcatt tatcaagcta gttatgccgc cgttgtcttt 180
gcctaaaccc attccgggtt cgtaaccgtt cccaacaga actcggggcca tcattactgc 240
tgcacgggac aggcaagctt gccagagaa ggagtccacg gaggaatgc ttaccacctc 300
ataagactgg aatgcggatt ctaatgactc ctctgcggct tccacatgag gcatatagga 360
tgggcagctc accaagatgt cttcctcgcc tgatacgatg accagatgcc cttccactac 420
g 421

<210> 12175

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12175

agctntanac tggtctctta ctttattcac agatcttaag ctttgaagta ttacaagttt 60
gcttcattgc tatgtggtgc cacttggtt atcaccggca accacctggt tatcctgtgt 120
aaaactccat ggtaccagag ggctagggag ttatgggctt ctctcangat gctaattttt 180
ataggggtaa gcattntaga tntgatggat gagggaaatca ttaatttaca gttcaggttt 240
tcttaagctc ctgagtcctg attgtttgca aactcattat attattggtg aggtgggtcat 300
catactgcaa tatgtatcga caaattcata attcattntt aaaatattta gtggatcaaa 360
acacgttggg atacattact ggctngcatt atctttgagc actgttctat gaattatact 420
tctgctaagt caagtgtga ttaaattg 448

<210> 12176

<211> 349

<212> DNA

<213> Glycine max

<400> 12176

cacctatcta atcctattat gtgatatggg ttttgtctcc ctttaatttgt tactaaattg 60
 tcattctaac tgtgaatctg caggtgggtt tgttgaatgt agatgggtat ttccacagct 120
 tgctgtcctt atttgacaag ggagtgggaag agggttttat agacaactct gcaaggcata 180
 ttgtagtcac agcagacaca gcagaagaac tcatatagag aatggaggta cgatattaca 240
 cgagacatgc tgattgtcat catgtttgaa gaggacgaga aaactaaatt gtatggtagc 300
 cttgtaggta ggtaacaagt agtgaacttg ttattcattt gttaatttt 349

<210> 12177
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12177

agcttgcaat ntcagataaa acaatcttga acaagttatg cagcaacaaa atataagaca 60
 acaaattaat atgacaatac acatggagat aaaaaaagt atgaagatgg aagttagtct 120
 aatggagatc atagcagcat gtaaaattca taagaatcag aacaatattg atagtctttt 180
 tttattggta aaaatagtga tagaatttaa aataatagtg cattaataaa attcagaaca 240
 attagaagct tattcttcaa aagcaaaata atatattact aagagtggta tagaatataa 300
 catgtacca ataaaccac cattcaaagg caanaaatat attaataaan gtgatataga 360
 atataatatg tatccagtaa cccaccatt caaagggtata ataatatatt aatgaaagtg 420
 ctatagaaat taacatcctg tgatgctc 448

<210> 12178
 <211> 373
 <212> DNA
 <213> Glycine max
 <400> 12178

gacaagagtg gtgaaggaga agctgaatgt gccagtcact atgtgtcagg aaagaatgtg 60
 atgagctaaa agatatcaac gtgaccacgg ttgaagcgtt aaaacaggaa acgaataaag 120
 ctcgaaagga agaatggagc aagaacaagt tccaaagggc tttgtggggc agcagtaacg 180
 agctcaaact tataaaggct gagattgaca aatcaaggat ggaaagcatg gtgttagatg 240
 ataagttaaa gatttgtcaa aggtcaaaga gaagtttgac agagcagttg agcaaaatat 300

aagagaatat gttgataatc attgatcaat ataaggagaa ggtgaaccta gttgctagtc 360
acaggcagat gct 373

<210> 12179
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12179

agcttgtgca tcaactgcnt tctcctttat tttcattggg tatganaagc tagatagatc 60
aggaactatt atactcttgg aaaaaatttc tgtaattcag ccaaaactat tttgagtcac 120
ctaaaagttc caacttcatt gtttccaatt tctcttttac tttcttttgc acgttntgta 180
tttctatttt agcattcctt ctgacttcat caattacttt ntgtgttcca agtgcagacc 240
ttgttcccaa ttagtatacg ttnttttaac taggttaaata tataaatatt ctctcttgag 300
aaaatataaa caattggaag ctactatatt agcgtggcta aactctccct caagggtcaag 360
tatgagtcac gcaattctat ttctagaaaa naaaaaagag aanagaaaga taatttgcaa 420
ttgtaaaacc tatatcaatt actaattcaa cgaaatatgt ctgtttctt 469

<210> 12180
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12180

ttattgcaga tacagaaata cttaaacaaa cctgcccaatt aggggttntg cggctntntg 60
caaattccgc ccatgtttct ggatcaaggc cataacttgac tgtaggatca gatatttgct 120
gaccttcatt gtcagcaaag acaaattttg aagtcaatga agacttanat tgccctccatc 180
ttgctgcaac tggtgacatc accttttttt ttgcatnttc accttcaggg atatcaaatt 240
tgcgctacac aacaaaagga gttatgtaac agtatgtaaa tgaatccttt anaagtaact 300
taacaacaaa atcatgaata caagtgtgaa ttacttacca aaatatcttt ccatattaag 360
ctctntagat cgtcggngac aacattccaa ttcgcgtgta taat 404

<210> 12181
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12181

agctntcttg aganatcttc cttgataagc ttctttgaga aanattcctt gagaagctag 60
 agcttagcta catacacccc tctcataact aaactcacct ccttgagaag cttccttaag 120
 aagattccct actacaaaga ctactcaaaa tgcctcgaaa tacaaggcta aaatcctata 180
 ctactagaat ggccaaatac aaggcccaaa cgaaggaaaa acatattcta atatttataa 240
 agataagtag gcacatactt agcccatggg ctcgaaatct atcctaaggc tcatgagaac 300
 cctaggggct tcccttggat ctctggcacc atctacttgg agtcttctat ccaatgctct 360
 tgcggngtan gattgcatca ttcctccac cttggaaagg atttgacctc aaatcttgag 420
 attcttcata ctctgggctc ccttcctcaa cacctat 457

<210> 12182
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 12182

gttaattaat atagtttagta gcattaaata gttaactatg ttgtattatt ttgtcagaat 60
 tattcttata attatcgga ctcataattc ttctcttttc acttaattac tttcccacct 120
 aattaattaa tgggtgctag tcttcctatc taatccttat aagataggta atgcatttat 180
 ctttttagta tataacattt attgtaaaat aattatgggt atttgggtca aaaaataatt 240
 aatacaaaag ataacttgag aagactctta taagaaggga acaaataaaa ttgagaaaag 300
 attattatat ctagggatag agtgagtatg tccgagcact aagccccttg ttgaaactaa 360
 tggcatgctg acccctctga atacgacacc ctctcctctc atctttccct taccaag 417

<210> 12183
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12183

agcttgata aattactcgg aattggtaac tacattnttt aagctgaaag ttttactgaa 60
 ttntgtagac atttggacca aaattataaa aaaagaacca agcgatttgg attaaagaac 120
 aaaattagaa aaatcacaca agttggatga aaaatcagtg tccaggaaaa taaaagtgaa 180
 aaggaagtgt gcttgttgtt tagctcanaa ttntttctat aattggtgcc tactttatac 240
 cactcctagt tctgaaactt caattgaaaa taattatgaa aacaagtgcc aaaaatagag 300
 gtttcttgag tctttntttc gttnttcttt tttagttntt ctactctact ctatagcctt 360
 tctaggtttg tctttgagtc ct 382

<210> 12184
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12184

tatgcgcata tntccttacg aacgttcact tgcacaagac attctattat ctaagaaaaa 60
 atgcacccat atacaatcaa ggcagcttcg ttatctagat tatttacatg tacttccaag 120
 ttgtatttga tacttacatc acacacatct ccttggctaa atttacatac atgcatactc 180
 aaagcattnt gnggtaccaa aaattgcaca tgtgcacatc ttggtatttc taatacctat 240
 acatacacia acttcatgat gaatcttgac tatctacaca ataagggtgct acatttcatg 300
 ctcttttcaa gtttttgcta cctanagtcg catgcaaatt caagtatatt ttcctttgct 360
 gactaanatt gtattcaaat tanaagggtat antttttttt gaatggattt ccttacataa 420
 catgcaacat atntatatat atnnttttgt gagacattnt gactaccann aaatatatgt 480
 acataccatc cagtattntg ctatcatac 509

<210> 12185
 <211> 405
 <212> DNA
 <213> Glycine max
 <400> 12185

caattcagag tcttcataaa tgacgaattg gtcttttagtt cttcttaagt acttaagtat 60
 ggtcttaacc acttttcaat tgttctcacc aacgtttgct tgatatcaac tatgtacacc 120

taatgcataa gcgacatcat gacgtgtata agtcatgggtg tacatgatag cctccagtgc 180
 actagcatat ggtactctac tcgtgtgttc tctttcttca cgagttgggtg gacagttctc 240
 cctactaaga gtaaattcca cacctacagg caaatagcct tgtttggaat atccatgtat 300
 atctcttaag atagatcaat gacatagatt ggagagtcaa gcacctattg atcttctcta 360
 taattttata ccaaatatag tgttctccac atctcatgga aatgt 405

<210> 12186
 <211> 542
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12186

ctgatccatg ttgagcccat cgatnangcg cacttagata ctcagcttat gatgatgagt 60
 ctagtngatt cnagtacgtt cgatgatgac aaagatgatg tacgaaaacc ctgagaatga 120
 tctcaagaat aagtctaaac agtcaagatc acggtaaatt tcaaggttca tgagaagaaa 180
 tcaagaagat tccctattca cgataagatg aatccangat tcaggagaag acatcacgaa 240
 gacttcacat gggatgtatt gaaaagagtt ttctagcaca cacatagcac aatgtttggtt 300
 ttcaaaagaa gttttctcan aatattctaa gttaccgaaa gtcttactct ctggtaatcg 360
 attaccagtt tcctgtattc gattaccagt agcagagggtt gatgtcaaaa gcttctaact 420
 gaatctgcac attccaattg atattaatgg tgtatcatta catatattgg aatcgatact 480
 agtgttttga cgttgaatca catcagttgg agagtcctct tttctanatg cttgtgtatc 540
 ct 542

<210> 12187
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12187

agctntcatc acatcttacg gcagtacatc ttgagatggg ttttgggacc agtcgtccct 60
 ttatacttgt cgaagtccgg cactttgaac ttcgggggaa taacaacatc gggactaag 120
 caaagatccg tcatgtctgc gaacggatag tccccaaatc cttccatggc cctcaatctt 180

tcctcaagga gatcgagctt nctcctttct tcagttgctg ggggcgggtcc ttccgtggac 240
 aaaactatag gtggtgccgc gatgtcnggt tgaggcaacg ttccctgggtgc cggcccttcg 300
 gggatcgggtg gatagaactc gacatccctt cgagcatagt cttgagggtc tntatggact 360
 tcgtc 365

<210> 12188
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12188

ctttntataa aatgagaagt tctgaactca tcacgttata taataaacct tggagtggat 60
 ccaagtgtc cgatcattca tttgcatatt catgntttgg tggccgactt caccgtgttt 120
 gtttcttttag ggaattcacc ataactaaga aagcaciaag gcacccctat aacactcgat 180
 ccagaaaaat ggataatcaa gagggcgctg aagagcagat gaaggccgat ctatc 235

<210> 12189
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12189

agcttgccac ccagctcgcc caggcgagca aggttgcttc cttcaaaagc aacagccttc 60
 tggaggaatc tttatgaggg cccaagtggg cctgggtgct atttgcaccc ccatttttat 120
 taaacacacc ccctgccttt nttttggtga ttcttttttc gtaaagtatt ggaaacttac 180
 gaatttcgta acgatacctt gtttctttcc ataatgttac ggaacataat catccccctt 240
 tntttgactt actgaatggt acggaacttc actatntgtg caacaatgct tccttttgat 300
 ttccggtgtg tcacggaacc tagcggattg tgcataata ttttcttttg attcccggca 360
 cgtcacggaa tttcac 376

<210> 12190
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12190

tctatagaag gttcattcct aattttctcta caatagcatc acctctcaat gagtagatga 60
 agaagaacgt ggcatttacc tgggggtgaan aacaagagca agcctctgct ttgctctaag 120
 aacagcttac taatgcacct attctagctc ttcttgacta ttataacact cttgagctag 180
 aatgagatgc ctctggagtg ggagttggag ttgtattgat acaatgtggg caccctattg 240
 cttattntag tgaanaactt catagagcct ccctcaacta cccacactat gatacacagt 300
 tctatgccgt aataagagtc ctccaaactt gggaacatta ccttatctcc aacgaatttc 360
 gcattcatag cgatcatcaa tcacttaagt aca 393

<210> 12191
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12191

tgctagcttt tagatccggt catggaaaga cttggcaact gccttcatta ggcagtacca 60
 atacaacacg gatatggctc ctgatcggaa ccaacttcag agcatgacca agcgggagca 120
 tgagctcatt aaagaatatg ctcanagggt gagagaccta tcagcccaag tcgtcccccc 180
 tatgactgac agggaaatga tcacgattat ggtagatacg ttgccacat tctactacga 240
 gaagctgata tgatatatgc cggctaactn tgcagacctc gtcttcgctg gagaaagaat 300
 cgagctcgga ctgatgaaag gcaagtttga atatgcctcc agcgttgccc ccaacaacaa 360
 tagaagagcc ncagtgggtg gcacacggga gaaggaagga gataccacag cgatcaccac 420
 cgccctaaca tggat 435

<210> 12192
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12192

gtgcccttga cctgtctgan ncttgatggc aggcccggn gataccattt tactttgttc 60
 taaccaagac cttggagagt cttttcgacc atccattcaa aagacctata tcttattgaa 120

at tttagcta tctgatcagt cgactcttcc ctccatctga tcttcataag gttactaagt 180
 tgagttttcg aatatgtctg atttatcggc acaaagttta ctttgaatca tcggatttgc 240
 tcttccctct atgttatatt tttatgttct cgtcattttc ttctgtacgtc tgttgccctct 300
 cctctgact attatcattg catcgttctc 330

<210> 12193
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12193

tgtctttcta ttgaggctga gctaaacgcc aacatgctgc gctaaactac aagcctcttc 60
 nggtgtgaaa attgtacact tatgctaagc tcacgtgtgc gtttaagccta ttctgcacaa 120
 aaatatgggtt tttgtgtcta tgaattaagc gccagcttgc tgtgcttaac gcttgagtaa 180
 natttcataa tgcgcgctaa gctcaggatg gtgcgctatg tgactagaca atagttagc 240
 cttatatctc tgattttgtg aaataacctg tactaatctc ttgtgtttgt cttatattta 300
 tgnagatggc atcttatgaa gatgaataca cctatacac ctaccaagc caaattcnat 360
 agatgcacta tcacatgcca agacgttggg gagagatata tatacattgt ggcgccctcac 420
 gagctactac cagaaatgaa tgtgn 445

<210> 12194
 <211> 226
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12194

atcacatgtg gtactagggtg gcgtgcggtc gatggtgcac aacatgttnt ccacatccac 60
 tatgcgcgca taaaccaccc atcccttgtt gccacctcc aactgagctc acgtactccc 120
 acgtaacca tctctcggtt tctctcaaca ccgggtcccc atcaatcctt cgaagcggtc 180
 cacaacagtc cagcaaaact gcattcacac cgcacaagct atcaca 226

<210> 12195
 <211> 400

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12195

agcttctttt nttaatggca ttactacac cgtcaaacan atatgaaaat aatcagctgc 60
cgggtgtttgt ttggtagcta aaacaaggca gaaattgtaa atttaaatgaa aagatcaatg 120
gttaaggaat gataatgtaa actaattntt attctcaatt aatactcaat taatttttaa 180
tggcattntc taattgatat aattnttaag ataattctat taacaaatta acanattgtg 240
attttggtta attgtattct tcaaaagtgt tttttttatt aatatgcttg tctaaactat 300
gtttctcttt ntataataag taatatctac ttattacaaa gtatttctta aaaacatctt 360
tttttaaaca ttatgtttaa agttatcttc tcttaatatg 400

<210> 12196
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12196

tctactacca cacccaacan atctagatct cataaccttg cactcanaag aagaagcaga 60
agtcgtgttg tgactgtag tggtatcttg ttcaacaaca atgtgagtct tgagagaaga 120
accagatcaa cacctatctt taagcctagc agaactagta ctctctgatg ctgagttaat 180
ggttgagatc cttggagtgt tgttgtctct gaagctcttg gagttgagct tttggatgat 240
ttggaagaga gatagggaaa agaccacana tatgtttctc ttcttgggac taanacctcc 300
aatgacaaa tcgttgtcat tgttgatcaa agagtgggtt ctctgcagcg tgggtggtgga 360
tttgctacac ttgagaacaa tattatcgaa ggttggtgat 400

<210> 12197
<211> 385
<212> DNA
<213> Glycine max

<400> 12197

agctttggtt ctaatagctc caatcacgtc tattccccat atagagaacg accaaggcgc 60
tgccaagaca ttcaaaggta caggtgaagc attgacatta ttgacgaagg cctgacactt 120

gtggcacttt ctcacatgga tgcaacaatc gttttccata gtgagccagt aataccctgc 180
tatcaaaatc ttctggggcca tggcatttcc attggcatgt gttacaaagg atccctcacg 240
tacttccact agcatctgct tagcctccct ggcattccaca catcgaagca aaaccatatc 300
atgggtcctc tatgatggga aaaccaagtg cttgggttcaa gttggatctt ctaggatgga 360
atttgtgcac caggagcaac aaccc 385

<210> 12198
<211> 252
<212> DNA
<213> Glycine max

<400> 12198

gtgtctagac ccttgacccc ccctgggttc tctcattttt ttttaatccc ccgttttatt 60
tagccctgcc ttacctggcc tttctttgaa atgggctgct cccctttata cagccgtcct 120
tctaaattct gcttttttct tcttctgctg cattctcctt ttttttttct agtccccctt 180
ctcttctttc aattttaccc ttctttacta cccttgttta tatcttctg cttaaacttt 240
ccttcccttt tc 252

<210> 12199
<211> 392
<212> DNA
<213> Glycine max

<400> 12199

agtttgagat gaggaagtgt tgaagggatga aacttcctgc ttttattgtt gaccacagag 60
cggtagcttg agatatgtcg cggaggtcac cgagaccttg cggacgtcat gtggggtgct 120
attgccc aaa accaagcttg accaatcccg acccaaccog ggcatagtcg gtcagtgaga 180
acctgtgatg tacctaagca ggcgagctcc tggcagtcaa cagataaaag gaaaacaaga 240
ccacaaagta aggaggcttg tgggtggctgg ccagctgtga attttgtgta atatgtggat 300
ggtagcctct ggtaatcgat tactaagggt gggtaatoga ttacaaggct tataaatgaa 360
gacaggaggc taagatggtc tctggtaatc ga 392

<210> 12200
<211> 287

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12200

tattatacga gctagagcac atatccttaa tgatcttgat tgcatacaata aagggctcta 60
acatgaggct acccncacaa tcaacatctt aacttggtgt attatgtgag gacactccac 120
catagaanat gtgaaatagc ctttggtggg agaagccatg atatggacaa cttctgatcc 180
tttcttataa tctctcttac gcttcaagta gactctcttg ctctttctgc acaaaattcc 240
caatgtccct tatgtactgg tttatcttag aagagaaata tttcctt 287

<210> 12201
<211> 332
<212> DNA
<213> Glycine max

<400> 12201

tatggtagct tctgggaatg ataactttgg tacagagtcg cgatctgtat tagatttttg 60
tgatggcgtg tgcataccat attattccac attatgagta atggactttt ttttaattgtc 120
ctgataaatc atcaaccatg tagcattgag tcgtaggtga ggtccactat acgaacgaag 180
tggggaatta tggcccaact ccaagtgact gaaaagatgg tgtgcatgat attaattgtcc 240
gtggctcgtc ttctggatca ggcgaggtgc ctactacttc tactagcgat gacttctggg 300
attgattgga attatccgat gactctctag at 332

<210> 12202
<211> 430
<212> DNA
<213> Glycine max

<400> 12202

ctcgcgcagg cgagcaaggt tgcttctctc agaagcaaca gccttctata tgagtcttct 60
ggagggccca agtggggcta ggtactatct gcaccacat ttctactatg tacaccccc 120
taccttactc ttggtgattc tttattcgta tagctacgga aacttacgac attctgaacg 180
atacttggtg tctttccgta atgctacgga accttggtgaa ttacataatc acccgttttt 240
tgacttactg aatgttacta aacctcacta attgtgcaac gatgcttcca tttgatttcc 300

gggtgtgtcac ggaaccttac ggattgtgca tcaatattct cttttgttgt ccggcacgtg 360
 ccggaatttc acaaattggcc tagtgatggg tgcaagcacc ttacaatgac taaacaaaag 420
 tcgcatgtca 430

<210> 12203
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12203

cgtacnncca ccattttcat agtagaacat tggtaatgtg ttactatca ttgtaataat 60
 ctctctctat gttattgagg gtgctacttg agctgccaaa tccttccacc tctgggcata 120
 ttcttgaag gattcatgct cttttttgca catgttctat agttgcatct tatctgaagc 180
 catatcagaa ttgtactgat actgcttaac gaacacaacc attaggtcct tccaagaatg 240
 gactcaggaa ggcttctaag ttagtatacc aggtgatagt tgtcttagta agactttctt 300
 angagaaatg tattagcagt ttctcatctt ttgtgtatgc ccncatcttc cgacaatata 360
 tcttttagatg gttcttggag caagtagtcc ctttgtactt gtcaaagtcc gacaccttga 420
 acttngaat gaccatgttc gggactaag aacaactctt ct 462

<210> 12204
 <211> 381
 <212> DNA
 <213> Glycine max
 <400> 12204

tcaagtttga caggtttgaa atatatctct gatgtcttat atgtgcctga cattgatcaa 60
 aatctactta gtattgctca gctttagag aaaggcttca aagttatatt tgaagaaaat 120
 tggtgcttga tcaaagatgc aataggaaaa gacgtattta gggtaaaaat gagggctaaa 180
 agctatgctt taaatctaag ggaggagaag caaatagctt tttcaagcat gaccaccaat 240
 gttgaactat ggcacaaaag gctcggacac ttccatcttg ctagactttt atgcatgcaa 300
 aaacatgcct tgggtgaaagg tgtgtcaatc cttgaagaca agttagccga ttgcgtggct 360
 tgccaatatg gtgagctagt c 381

<210> 12205
 <211> 210
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12205

atatgacaaa acacatcgat gtgactctat actctctcat atatgtgatt gaatctgata 60
 ctgtgaagag ctancatgtc attacagaag ataaccggc tgatatgttc atacacttca 120
 tctctagtgt caagatcaag ctctgcttgg actagataat acatcataat gcctgaggca 180
 catgagagaa ttgcaaccct gattcacaag 210

<210> 12206
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12206

tcaagtttga tattatgaaa ngncgaaggg tgaaacttgc tgcttttatt gttgaccaca 60
 gaccggtacc tggagatatg tcacgggggt caggatacct tgaggacgtc aagtgggggtg 120
 ctattgcccc aaaccaaact tgacctatcc cgaccagcc cgggcatagt cggttagtga 180
 gaacctgtga tgtacctaa catgcgagct cctggcagtc aacagataaa aggaaaacaa 240
 gaccacaaac caaggatgct tgtgggtggc ggccacctgt gaatttaagt aatatgtgga 300
 ttgcggcctc tggtaatcga ttaccaatgg tgggtaatcg attactatgc ttaagattga 360
 ggacacgaag ctaagatggt ctctgggaat c 391

<210> 12207
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12207

tatttgactt tcctatgcta tctctacata cataanacaa cccaccatc ccagtgttgc 60
 anaatcatat tcatatatca atggggcatt tcaccgagca cttggtgggc gcacgtttgg 120
 acataaattg caagagaatg ggggcaatgt ggcattgccc attgcttcag aataacaacat 180

aggcctaagg tcggtccctt tcctagtaaa atatatact agggcctatg gatatttcaa 240
gctgcccgc atccatgagc cgctgaagca attcttccac tgcgggatag gtttccatgt 300
cgtgcgactc cccgaggtga tccgccacgg gagaccatgc acgccgcttg cagtgattga 360
tagatgaagc gtctagcagt agccacctct tct 393

<210> 12208
<211> 372
<212> DNA
<213> Glycine max

<400> 12208

agtttgccgc ccagctcgcc caggcgagct cagctcgccc aggcgagcag ggttgcttcc 60
tccagaagca accgccttct ggaggaatct tctggagggc ccaaattgggc ctgggtgcta 120
tttgcacccc catttttact aagtacaccc cctctgctg ttttttggtg attctttttt 180
cgtaaagtta cggaaactta cgaatttcgt aacgatactt gttttctttc cgtaatgtta 240
cggaaccttg cggattacat aatcatcccc tttttgactt acggaatgtt acggaacctc 300
acttaattat gcaacgatgc ttccatttga tttccgggtg gtcacggaaa cttacggatt 360
gtgcatcaat at 372

<210> 12209
<211> 570
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12209

cgcccttgat gcattcgatg ncgactccaa naacacnaag ccagatctat agtcctaant 60
ctcatgtagg tcttatggcc acttcacgct ctgattatta tatgggctan agcacatagt 120
cctaattgatc ttgattgcat caatcatgcg gtataacacg acgtgacctt caccaggaac 180
atattaacct ggcctattat gtgaggacgc tccatcatac aacacgtgaa atagcctttg 240
tcgtgagaac ccatgatatg gacaacctcc gaacctttct tatagtctct cttacgcttg 300
cagtanactc tcttgctctc tctgcacaca aataccaatg tgccttatgt actggctgat 360
cttaaaagag aaatatttgc ttaagaagga ctggtgcact aggcaatgtg gtatactgct 420
ctcttcacgt cacataccta tccatgcctt cgatcgagag agaagganag gcttaagtct 480

aattattcag atgatcctgg tctgtttact gtgtcgccac ttgaggactt ccttngtgnt 540
 gatangactt atggaaccct actagccgcn 570

<210> 12210
 <211> 356
 <212> DNA
 <213> Glycine max
 <400> 12210

agctttaaca ttcaacttcg agcgtctcga tatattacag gactcaatca aacatccgag 60
 aaaaaagtta ttgtcgtttg aatttgctca gaggttcaac attcaatttc gagcgtctcg 120
 ttatattaca ggactcaatc agccatccga gtaaaaagtt attgtcgttt gaattggctg 180
 agagcttcaa cattcaattt cgagcgtctc gatatgttac gggactcaaa cagacatccg 240
 agtaaaaatt tattgtcggg tgaattggct cagagcatca acattcaatt tcgagcgtct 300
 cgatatatga cgggactcaa tcagacattc gagtaaaaag ttattgtcgt ttgaat 356

<210> 12211
 <211> 539
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12211

ctaagcttct atccaggcac attcttgggtg gtgaagctcc ttcttccatg gtttattccc 60
 ttgtggatgg tgcctccctt ctctctntt cctttgcctt ccgctgcac tccatgggtg 120
 aaaatcacca ttaaaagacc tcattgaagc tcanagatcc agcctccata gaagctccac 180
 aagcaagctt ccatcatacc tccatgtggg atgaggatga aattattata gataacctcc 240
 tctgggatga ggaagagatt ntggatacct ccatttatga tgaggaagga gtgggatgcc 300
 attgcatgaa atatgaactc ctagacctt tgaagaatnt gagatccacc ttggtnttgg 360
 gaaccataga attgagtctt gtaattccag gaaccactaa gttgtgtctg ttatatttat 420
 ttggatgcgt tgagggtattg tcatttatnt aaatatnta tttattcata attccatgaa 480
 tggggattgt ntaatatgat tttactgcct atatatacat aataatctat ntaaatcat 539

<210> 12212

<211> 476
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12212

gacactatga tactcagctt gagccattca nacaacaata acgttntact cggatgtctg 60
 attgtgttcc gtaacatata gagacgctcg aaattgaatg ttgaagctct gagccaattc 120
 aaacgacaat aacttttttc tccgatgtct gattgagtcg cgtaatatat cgagacgctc 180
 gaaattatat gttgaacttc tgagctaatt caaacgacaa taactctttt ctcggatgtc 240
 tgattgagtc ccgtaacata tcgagacgct cgaaattgaa tgttgaatct ctgagcaaatt 300
 tcaaacgaca ataacttttt actcggatgt ctgattgagc ccataacat atcgagacgc 360
 tcgaaattga atgttgaacc tctatgccaa ttcaaacgac aataacattt tactcggatg 420
 tatgatngag tcccgtaca tatcgagacg ctoganattg aatgttgaag ctctga 476

<210> 12213
 <211> 403
 DNA

<400>

acttttttatt tcaogtatgc tacta c gattcat tr 60
 attggagggtc atagttgaca gggt gtc tar 120
 aaaagac caagg c caaga 180
 gatacgtgag gataattttt aaaggaattt ccaagccaag aggac atg 240
 caaagaagta atgcatgaaa gaagacc acc 300
 ggataaatag atagagcata atatcat 360
 tcataaggac catcaaattc acatgataat ctaacacaat aaa 403

<210> 12214
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12214

atataagacg atacttactt anacaccgtc cttganagtt attcttttaa gacagtacct 60
acgtaagcat ncgcccttgaa ataaagatta attttaacta ttgatanttt ttctgaacga 120
tatttcatca gagaaaatat gaataattaa caataatatt tattagcatg attgtaatta 180
atattaatat taaaatttat ttaaaaaata aatattaaaa tgatatatta aataaaaaata 240
agaggttgac aaattagaaa ttccagagtc aatttcatag aanaaaaaag ttatcaaagt 300
tcttttatta taaagtacct cataaattaa ataattattg tttcacaata atttagagga 360
ccaattaaca ctttgacagc ctccaagata ttatctccaa cagcagacac aaagagaag 419

<210> 12215
<211> 430
<212> DNA
<213> Glycine max

<400> 12215

ggcgactccg agctcggggc cgggatactt aagtcacgcg ccgcatttta tcttgcctc 60
gtccgagcgg aataaatgct gtcaaataaa caatatcgca gacttcctac catatggtct 120
ggtgatagat atatatatat ggcccagagag agacagagag atatataaat ctccagaccc 180
tctctcccag attctagatt gagcaactaa atatcaatta tatcagaaag ctacttgaga 240
ttccaagttc caactcaagt ttaaaatgtg gtgaacgcga aaagtgggta aaataattgt 300
accaagtgta ttatattaca ttacatataa cgtgtcaacc tataagacgt gagaaaaagg 360
gtgcagatgt tttggtatgg atgtgattat attatatagg gggcaaatac agaccatatg 420
tatatcaaaa 430

<210> 12216
<211> 586
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12216

tgcccttggtg ccttttgatg ccgttgcaan agcacacaac nagactcagc ttcacagtca 60
agcatgagcg cttcgtcant accggtctcc atcagacgta ctctgtagga ggtatcggcg 120
cggagcatgg gtgggtattga caccacacct caatactgag acgctcnctc ttatagcagg 180
actcagtcac acattcgccg taacagttag agtcctttacg aatcgctcag agattcttca 240

tttccctttcc agcgggtcgc gatacacag cgcttcatca gacatccgtg taagaagtat 300
 tgccatttga attggcttaa agcttcaaca ttcaattccg agcgtctcgt tatatgacgg 360
 gactcaatca gacattccga gcaaaagtca ttgtcgggtg gattgggtca gagcttcaac 420
 attcattntg agccgctcga tatatacagg actcctcaac atgcgggtaa aacgtatctg 480
 tcgctcgact tgggttcagag ctacacaatc aatcttgagc gtgttggtct cttacacgac 540
 tcaagccaca ttcnagaaaa agttattggg tctggatggc tccacg 586

<210> 12217
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12217

tgaagctcac tacaagcctt aagtgaacaa ccatgatatt tccatatect taaggaattn 60
 tggagctttg gaattgttat gcgaataagt gtggnggggtt tttgtttcat tggacaactt 120
 gatttggttg ctatgcttca tgatgtattn tnggccatac ttgatgtaca ttgtatattg 180
 gttaaagtgt ggacatgctg aatgaaatgt tgtttctcac aggctataga gtaaaaaata 240
 aaatacaaaa ataatcgaaa aacaatattc gaagaaagat taagaacagc actaaagtgt 300
 agtgaataag atcttatatg gcacaagaat gatgaaactc ttggctctac tcttcatgtg 360
 taattgatat ctgtacttct tgttattntc ttattacttt cttaatatgc acttattgcc 420
 ctttgctect ctatt 435

<210> 12218
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12218

agtttggatt catcaaaata aactttcatc cggcgcttta gtcttctcag tctttcctcc 60
 tacaaaatth ttacaaagt gctgctcaat gaattcattt tttttcttgt tttcctcact 120
 gctctctgtc ctcaacaaat tcatgacaag aaaataaatg aagaaaaaaa actattaaac 180
 catttatgat ggagaacacc agacagtttg gaaacaaatt atgaatgcat tttcaacatt 240

gtttctgcaa ttattctcag aaaacaaaac aacatttcca acaacatgaa actctagtta 300
 taatcacatt nttcaattac cttcaaaaac tattgccagt tagtttccaa aagttnttca 360
 gttattctca aaaactatat tgaaatatat tntcacaggt cattga 406

<210> 12219
 <211> 326
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12219

ctcgcncagg cgagcaaggg tgcttcctcc agaagaaact atcttctgga ggatatcttt 60
 ggagggccca agtggacctg gttgctatnt acaccncct tnttactaaa tgcaccncct 120
 tatatatnt tctgtaattc tttttccgta acgttacgaa actttacgaa tttcgtaacg 180
 atacttattt tcctttccgc aagggtacga atccttacgg atttatgtat ttactctttt 240
 tggctttcaa agaagttacg gaaactcacg gattgcgcan aaacacctct tttcgattnt 300
 cggcacatta cggatattca cggatt 326

<210> 12220
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12220

atactcgccc attatctcag ntgtctgttg tttattgcat tcttacggaa tctcttacgg 60
 aaaagacaga acaatgtag aagaagttcg tacaacagga ttgtntact gcaatgatct 120
 ggttgattca atgcagatga gaggagaaga cnattaatcg gacatagaaa catatttgag 180
 aaattgtaga gtatgtctgg gtgcatagct tggtaatgaa nacagatggg attataactt 240
 tctaaccgaa tgagaaccaa tacaacagaa tatgatatan atcggccttt taacaagtat 300
 taattcttaa ttctaanata tattntaaat aacaagtcag acatatctat gataaactgt 360
 a 361

<210> 12221
 <211> 383

<212> DNA
<213> Glycine max

<400> 12221

agttttgatg taacatttgg agaggttaat gaaacaacga gatgatgcgc tccatgagag 60
gttggatcaa atggagaata gagaccatat gaattgctca agagcttcca ttgttcaatt 120
tcgagcgtct agatatataa tgcgcctcaa tcggacctcc gagttaaaag ttatgaccat 180
ttgaaatgct caagagcttc cattgttcaa tttcgagcgt cagcatatat tatgcacctg 240
aatcggacct gcgagtgaca acttatgacc atttgaattg ctcaagagct tccattgttc 300
aattttgagc gtcacgatat attatgcacc tgaatcggac ctgcgagtga caacttatga 360
ccattttgaa ttgctcaaga gct 383

<210> 12222
<211> 401
<212> DNA
<213> Glycine max

<400> 12222

tagaaaccat aatgacaatt ctacatttc aaattaaaac caaattacgg catggtgagc 60
accatcatga gtttcagaac ttaataccaa atatatgcac cacattcaca taatgggcac 120
tgccatggat gttgtgtttg tcctcttctc tgtgtaaagc gaccacatga tcaagcgaac 180
atcattcgtc accctctcaa gcacgtacc agatcaagat cgagatctat aaccaaactc 240
ataatgcaca atatcgagat ttgtgtggtt cgcggctggt tatggtgggt gacgttctca 300
gaggttgatg gtggattgat atatgcggct catgtgcaca ttgtgtattg tagtgggtaa 360
cacacggtag agtcactact tgatcacatg acatcgggtga t 401

<210> 12223
<211> 203
<212> DNA
<213> Glycine max

<400> 12223

gctctgatac cacttgttgg acaagtggcc atagatatct taagaaggag gggggggggg 60
gagggtctat acttctaact cccacgcctt atcaacgcgc ataatatatc tagacgtc 120
atattttaca atggaagcta tttggctata cacatgctca taacctttca ctcacaggtg 180

cgaataaggc gcatcaatat atc

203

<210> 12224
<211> 376
<212> DNA
<213> Glycine max

<400> 12224

agttttaacc tcacgtccc tcacagtctt tagatttggg agccaatcca atccttgtgt 60
tcggactctc agccaattat gatagctgcc gatgatccca ttactgcttc ccctaagctc 120
tctgtccttt cttcacgccg catcccatgc cttgcgaact ccttggagta ccttcgcgtt 180
gtggtcacta aaaccccggtg cgatgaaagg cgtgatgctt tcgtctaatt gcgctcctct 240
catggggtag ccaagctgtc ttatggcgag aacgggatta taattaatac aaccccttgt 300
tcccatcaaa ggaacatttg gacatccttc gcatgaagat agaatcttga ttcttccttc 360
cttctagcga gggaac 376

<210> 12225
<211> 398
<212> DNA
<213> Glycine max

<400> 12225

catttcttgg ttggtggttt ggtttatgct aaatgtggtg ttcgtcattg gaagtgcgat 60
agacaggctg tgtggtttat ttagggatgg cctttgtgga tgactgagtg gtgggtaattg 120
agaaagggtg atattggttg agtaatgatg ttgctgagct ggtgggggat tttccatgta 180
tgaacgacag tcacaacatg ggtttctcct tcattctcac cctcttcatt tgccccagtt 240
ttctcattcg tccaagcagg atgattaaat ttgcctcttt tcagaccac ttggatcctt 300
tcgctggcga agaccaaatt cgtaaaactt acagggtgtg aaccaccat ttctcatagc 360
agaacactat taatatgtct actatcattg ctatcatc 398

<210> 12226
<211> 397
<212> DNA
<213> Glycine max

<400> 12226

agttttcttg agagaacttc cttgagaagc ttctttgaga aaacttcctt gagaagctag 60
 agcttagcta cacacacccc tctcataact aagctcacct ccttgagaag cttccttaag 120
 aagattccta aagaagctag agcttagcta cacatacctc tctaatagct aagctcacct 180
 ccttgagatg agaagctaga acttagctac acacccccta taatagctaa gctcaccccc 240
 atgacaaaaa acatgaaaat acaaaaaaaaaa aagtccttac taaaaagact actcaaaatg 300
 ccctgaaata caaggctaaa accctatact actagaatgg ccaaaataca aggcccaaac 360
 gaaggaaaaa cttattctaa tatttacaaa gataagc 397

<210> 12227
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12227

tatatggact atgacagagt actagctaac tacatgtact taatttgcac ttctcattag 60
 cgacacttaa ttgcttgga gttgatgaag cgacggcttt cgcccagtct cggatctttg 120
 ctttgatctt cactgcagcc accttagcta attcattatg ctcagccaca aggtacagat 180
 gaggttggtg tgggtcacac tcttccaaag tgatgcaaca ttctttgtaa tcttgctg 240
 ccattgccat agcctcaata gacatgtttc ctttcctaata atagggatat tgaggatcga 300
 tatatgatta atgacgcana ctaagtgtga ctgtgaattg taattgacgt agtaatagcc 360
 gcatagaatc atttgtatat ataccata 388

<210> 12228
 <211> 344
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12228

agcttgagtt gtacaagcca aaagtgcagc tgattaatac ttgtaacttg ttgaagttaa 60
 tgaaacttgg tggttagcca agaactggac atatgggggg atgatgcaat cctaccccca 120
 agggcattgg atagaagact ccaagaagat tgggtcagaa ctactgaaga aggcctatg 180
 gttaggtttt tggcccatgg actaagtatg agctcactta tctttgtaca tattagatta 240

gggtttcatt attttttggc cttgtattta gggctccata gtgtagggag ggtaccctag 300
 taaagtagga tctttcagcc tatgtattnt agggcacata gact 344

<210> 12229
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12229

agccatgttc tcagcatgaa gattaacagc cgaatgctca acatcagaat attcagaatc 60
 actagcaaca aaatactcag aatgctcaaa atgctcanaa tgcgtagaat gatcaggatg 120
 cacactatgc ctaactaatc tatgaaaggg tctatctatt tcaggatcaa aggggtgtaa 180
 gtcacgtgga ttgcccttag tcatgcacta tatgcagcaa ataatgtgtt ctcaaacaag 240
 cacctgacaa gggggtaaaa ctacaactat agtcaaacga tatccaaagg agctgagatt 300
 ntgtcagcaa caccctagaa tcatgaacag atagcacana agatntcaaa caaaaattca 360
 aagtctaact atgaanacta cctaagcana gttatgaaaa taggacaata atact 415

<210> 12230
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 12230

agcttggtgt atttgccatg tttggatgag ttagacatac ccattctgtt ttacggtttt 60
 tgtgatgatg tttgtgatgt ttatatgctg aaattgctga tggaaatctg ttagagatga 120
 agggtagaat taacccaagg ttagaaagtg agaatgtgat gttatgagtg gaaaaagagt 180
 gagactttga gagttggaag gctaagtctg aattctgtgg taaatggagg ttagagtgag 240
 ttaatactag cttgaaatgt catttagaac atgtgagaaa ggttacgctg agctagagag 300
 aataacaaat gaccaaagtg aacaaagagc cattgctagg gcaaatttgg gtgttg 356

<210> 12231
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 12231

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ctcactcgga ggcccgattc angcgcataa tatatcgaga cgctcganat tgaacaacgg 60
aagctatcga gaaattcana tggtaatac ttogaactcg gaggtcctat taagggtgcat 120
aatatatcta gacgctcaaa attgtacaat ggaagctctc tggctataca aatgggtcata 180
acttttcact cgaagggtccg attaaggcgc ataatatatc gagacgctca aaattgaaca 240
atggaagctc ttgagcaatt caaatgggtca taacttgtca ctcggagggtc cgattcagct 300
gcataatata tcgagacgct cgaaattgaa caatggaagc tcttgagcaa ttcanatggt 360
cataacttgt cactogaagg tccgattcag gcgcataata tatcgagaca c 411
```

<210> 12232
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12232

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agtctttag caaattcaaa cgacaataac tttttactcg ggtgtccgat tgagttcagt 60
aatatatcga gacacttgaa atagaaaacg aaaacttgta gcaagtgcac accacaatca 120
attntaactc gtcgcgaaat atgttgagat gtcgaaatt gaaaaagaaa tttcatagca 180
aattcaaacy acaataactt ttacacgga tgttcgattg agtcccgtaa tatatcgaga 240
tgctccaaat tgaaaacgga tgctcaaac atattcagac gacaataact ttctacacgg 300
atgtctgatt gagtcccgtg atatatcgag acgct 335
```

<210> 12233
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12233

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acacgagcca ggttctgatt aaattcatga actgctccat atatgacaca atctcaaact 60
accactttta atttcttacc ctaccattgt ttagagaaga tcttccacaa angcatcgca 120
cagaatccat gaggtgcacc aagcaggact tcttgtaatg ctgcaatatg accctgcatc 180
atttatgaga ttatgtcaaa atagcaccta gcttatgtca cttactgtca atctactgcc 240
```

aattatgtca gcacagtccc taacatatgt cacttactgt cgaattagta cttcagaatt 300
aataacattg acgaatctat ccaactgcta ttgcatgcat gccacatact atataat 357

<210> 12234
<211> 382
<212> DNA
<213> Glycine max

<400> 12234

agcttctact tttgttcaac tgagaaaagg acgtcaatcg tcatttaccg accatgatcc 60
gcttatttct ttcttctctt tcgtctaatt gtcgtaaact aagaataatg gagtataata 120
tacaccacag aaaaaatgga gtatcatatt gataaaaagt aaaacatcgg acggtgatct 180
tgatgcagaa gtctacaatt gataatgaca ggcaaattta tatatataag aaaaggctta 240
tcatatgaaa ttatgcacac ttatgagcta tgaggccttt taatctctaa atgcacacta 300
gcgacactaa cgaaagtagt ggtactattg ctaacatata cgaacatctt ggaaacaatc 360
ggcgattggg taaataaaaa at 382

<210> 12235
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12235

gcttgctagc gttatgcaac agaaccacat gttagccatt gtatatgtac caagaagaat 60
taaacttagc cacggaccac gagcaciaag tggcgtagca gtatgcctga gtgtacgcag 120
aanaggaggc tagaggaagg gtgatcgact cgttacatca agaggcaaca atgtggatgg 180
accgatttgc tcttactttg aacgngngtc aagaacttct ctgattgcta gccaaggcca 240
aagcaatggc ggacacctac tccgcccccg aggagatcca cggacttctc agctattgtc 300
agcatatgat agacttaatg gcccatataa ttagaaaccg ctaggaagtt ngattattgtca 360
ctcagatctt gactagttat aactntctga ataaaatgag tntatcccat gttntactc 420
caaagatcag tgcgaatcan atcactcccc cattntatct ctagcatgca ttc 473

<210> 12236

<211> 358
 <212> DNA
 <213> Glycine max

<400> 12236

tcaagtttta gatgaggaag tgttgaaggg tgaaacttcc tgcttttatt gatgaccaca 60
 gagtgggtact tggagatatg tcgcggggct caggagacct tggggacgtc aagtgggggtg 120
 ctattgccca aaaccaagct tgaccaatcc cgaccaacc cgggcatagt cggtcagtga 180
 gaacctgtga tgtacctaaa caggcgagct cctggcagtc aacagataaa aggaacaaaag 240
 accacaaaagc aaggaggctt gtggtggctg gccagctgtg aaacttgatt gatatgtgag 300
 atatggtctc tggtaatcga ttaccaatgg tgggtaatcg attaaaggct taaaaatg 358

<210> 12237
 <211> 569
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12237

ccgccttgat gtttgatgca ntgcaagaca cnaagctagg cctcgatcct catgtagacg 60
 gggatcgctt tgcggactgt tgcataagggt cgtcacggca tgccaatgct aggactacac 120
 tatcagtaca cacactagtg cgtgatctca ccacgagcat gcaatgtatc atccatggaa 180
 gaagcagtga acatcagata gaccgactcg tgcgtattaa ggtactgaca tcaactgttg 240
 attatgaata ctcaacaagg agtgtcagcc cgccattaca gaggaaccct aacacatatg 300
 agattaagag tggataagaa ctgctgtctt acacagcaat ggggatccgt tctgctctac 360
 acaacgtctg acagtcactc gtgagctcac tagtctctct ctaattacac aacctatcgc 420
 tgtntgaaga gctgaacgct tgctgcctca tagctgtgaa ctaagatagc actagtgcgt 480
 gcttggagtc tatgcgaata tcattctacac taattctacat agacagcatt cgattgttct 540
 aaatcggatg cgcaatagct caccctccg 569

<210> 12238
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 12238

agctttttgt ttgcttggtta aaagccatga cgagtgtggc acaagcagt accaaaaatg 60
caaccactct gagggacaaa agaacccaat ccttctttgg ctaatttgtc tcatgaggaa 120
ccactgatgc attattcata ccaccaagct ccactttctc tccaccattt tatgaggcca 180
ttgtgcaatt aataacaaac acttaattaa ttgccaaagt gagaaaatga aggtggtgat 240
gatggtgcag attattatgg agaggacaat gggttattat atagataggg ataccagtga 300
aatggtcana ccatatcatt tggtaagtct aagaagccaa gtgaggattc tttctc 356

<210> 12239

<211> 496

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12239

cactcagctt cgttaattca ccgctcgata ataccggtct catccggatt ttcgtgtata 60
aagntattgt catttcaatg tgctcagagc ttctagtctn caatttgagc gtctcgatat 120
attacccgat tcaatcggac atccgagtaa aaagttattg tcgtttgaat ntgatacgag 180
cttccatttt caatttggat catctctcga taaatcaega cactctgctg ggcacccgag 240
taaaaagtta ttggcgtttg actcttctaa gagtttccat tntcaatntg gagcgtctcc 300
atatattacg ggactcaacc agacatccgt gtataatggt attggcatta caattctctc 360
agagcttcta gtotcaattt ggagcgtctc gatatattac ccgattcaat cggacatccg 420
agtaanaagt tattgtcggt tgaatctcta tgagcttccg tntcaatttc gagcgtctcg 480
atatattaca ggactc 496

<210> 12240

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12240

caacaacaca tttcccaatg ctaaagtcac ctaacagtac acacacaagt gggatgatcag 60
accaagagca tgcaatcttt aagcattgaa agaagcattg aacataagac acacaatcaa 120

ttagatatta aagtaattac atcaactggt ctttaaaaat cctcaacaag ggtgtctagc 180
 cagccattac agaaaaaccc taacaataat gagattaaga gtagagaata actactcctt 240
 acacaagaag gtggatccct cctcctcttc tcagcatctc aaaatcactc tgcaactcac 300
 taatctctct ctaattacaa aacctatagc tctctgcaca agctgtcctt cttgctagct 360
 ncagagctct ttgtccataa tagacactat ggtgtgctct tgaattctat g 411

<210> 12241
 <211> 363
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12241

agtcttaagg atttcccat ttgacatcaa ctgtgaatga agaacaata acttcagcct 60
 aatgattaca aagatgaagt cagtaacttc caattcatta ctaatttaga atcactatct 120
 atatcttcag gaaatggata aaagaagaat aatggcataa ccattgtcct gagattaatg 180
 aatttaccaa aacagaatca aatgctggta gaaagtcaac ttgatgagtt acaagtaaaa 240
 cagttttctc ttttaagacca tccatgatgt attcctgcc agtttcanaa ccatgttgga 300
 gttaaagaatg acacataagc acaattatag tatgtgagga aaggaagatg ccattacatt 360
 aaa 363

<210> 12242
 <211> 328
 <212> DNA
 <213> Glycine max
 <400> 12242

ttatcttgtc taatactact gcaccagggg tgagtgagtt ctgcgaagcc tttctcaaag 60
 ctctaagcc aggttcaaaa aatgaaaatt gcatcatcct cactgtccct acaaaattgg 120
 catgacgtgt catcaacctg cacttgccct cactgcaaac tctgtcttgt gggaagtcta 180
 tgtctattaa tctccgcaa agaaatctac ttttcttgga acctttatgc tccataatct 240
 gacaaaacat tccttctggg ttattgctgt tgctcctccc attattacct ctgtttttat 300
 cagccaaact aagtatatta tatatata 328

<210> 12243
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 12243

tacaataaca ttctgattct agtattaatc actgtttata ggaatattat ctttgattta 60
 gtggaaacaa aatatacctct atttatgtat aattaatgta attatcctat atacgctcgc 120
 atcctctgtg tactctgaca cacgggttta gtctattgac cctctatatt ctctctcatt 180
 ctacagtata tactacgtat tatgcaatcg atagatgaca aaaataatag agaacgaaca 240
 tcacactctg tatgatatcc catgtacaat gcttctgttt ctgagctaca atgcacaaag 300
 aaacaatgct cgagtgcctc atattaatgc atcccatgtg attccaattt ccaaaaacttc 360
 tgaatcttca tgtactcttt attccaaaat gccatcagac attctacaag aactattctg 420
 ttttccaaga t 431

<210> 12244
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12244

tcaagtttga tattatgaag ngcagaaggg tgaaacttcc tgcttttatt cgttgaccac 60
 agagtggtag ctggagatat gtcgcggggg tcaggagacc ttggggacgt cagggtggtgt 120
 gctattgccc aaaaccaaac ttgaccaatc ccgaaccaac ccgggcataa tcagtcagtg 180
 agaacctgtg atgtacctaa acaggcgagc tcctggcagt cgacagataa aaggagcaaa 240
 gaccgcctat caaggatgct cgtgcgggtg ctggccatct gtgaatcttg tgtgatatat 300
 gggctatggc ctct 314

<210> 12245
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12245

tgatgataac aatgatgaca tcagaagatg atgaacaaaa agctcaagtg aatcanagaa 60

catctcacga gaatcaagat caagatcaag attcaagaat caagaattca agactcaaga 120
agacagcctt cagaaaagta tcaagattca agattcgaga tctcaagaat caaagatcaa 180
gattaagaat caagaatcaa gactcaagat ctcaagaatc aagatcaaga tgcacgaatc 240
aagattcgag aatgaagaat agactcaatc aatataagta ttaaaaagggt tntttcaaac 300
gttgaatagc acacgagttt ttgacagaat ctttaccaaa gagctgttac tctctggtaa 360
tcgattacca tattgggtgta atcgattacc agtagc 396

<210> 12246
<211> 396
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12246

tcaagtttgt ggatagcatc cacagcattg ttttcaccca aggaaatggt ggtcctgaca 60
ccatcaagaa gatcaccacc attgaaggtc agttaattaa tgttaccttt aatttttttt 120
at ttgtgaaga ataaaagaat aaaaaacatg taccaaaatt tacaccaact catgtactta 180
tatattgttc agctaattga gttagatgct ttgattaata ttatcattaa ttaattcaat 240
acaagatatt ttcttgaact tatatataaa caaaaataac tattttcaca cagagttata 300
attaaataaa tgatattgta ataataatat cattaaatag gaatgaagtt acttanatgt 360
acttatattt atatttgagt gttagataga gtaact 396

<210> 12247
<211> 311
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12247

aaacaaatcc atgtatgggt tanagcaatc cnccacgcaa tggaatagga gacttgatga 60
at ttatgggt cacataaagt ttcatagaag tcaactatgat aattgtgtct acttcaaatt 120
tccttctaaa gtcgagtttg tgatattgct atttatgttt gatgatattt tgatagcaag 180
taatagcaag agtaaggctg agaaattgaa atctgagctg agcacggaat ttgaaatgaa 240
ggatttggga gcagctaaga ggatattgng aatagaaatc aaacgggata gaacaaagaa 300

attgtggatc t 311

<210> 12248
<211> 391
<212> DNA
<213> Glycine max

<400> 12248

agtttacggc gggagaaata aaagaaagga agcaaaaaag ctaagcaaaa ccaccgaaaa 60
gcaacatcgc cacctatatg tcgctgtctc acaacaagtc taagtgtgtc tctgagagag 120
agagacatct ttatcatcat ttttaaacac accaacaaca catgttgac caccaaccat 180
tctctctctc tctctctctg ggttttcttg tttttattgg gtctctcaat gagagattgt 240
aatggaaaag gatcatcaaa gtctgtccaa ggaacatagt gactcttcag tgtgttgctg 300
gcttatacga gtagtactta ttcacatct aactccttca attctcttct ccaatgatta 360
actccttctt caattctctt ctccaatgat t 391

<210> 12249
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12249

aatgaccttt attctttgaa gagtcgtggg aacccttga ttaccattta taaaattgag 60
gacagcaatg caataaaatg tacctttatt tatattctca tgttgattac tcctaccaa 120
nagtatgaca aacctaaagt gtcccatatg agcacctacg tctgtattga aacaaaacat 180
acgaacaaac ctacctaatg agtccctatg tacacaaatc atgaagatgt tgagtgcacg 240
ctgtgattgta cacaagacgg ttgcaccact caacacattc atcataccac ct - gg 300
caccaacata gcacaaggat ctaagatctt acgagccaga cctca - a aaactctca 360
tacttgatga ataacat 377

<210> 12250
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 12250

agcttctcat agatgtaatg tgctaaaaga gagggaaaag gaagaaacaa aggtaacatc 60
 tcttaccaag gagtctagct ccgttggtta aattaggtgt tgagtgtact aaattttttg 120
 atatcgtggt caatattttac cgatattaag aaagtagcat ctcaagtaaa ccaaatagaa 180
 gaaacagaaa aagagataat attaattata ggtgactttt gtgtcttaaa gatgtttaat 240
 ttgtgttatg ttaatagcgt gtagtagcta tgcaaagagt gtgtttcttg agtgcctgtg 300
 tgttttttcc ctactatgat ccttcttacg ttttgagtgg ctttcagcca gtngtgaata 360
 aaactatgca acttttagtag tatctactaa atatagt 397

<210> 12251
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12251

aacttccttc agacaaggct cgatatatta agttaactta ttctanaaan anaatgccat 60
 atgtttgctt atacttattc aaggcacaag gctcacaatc tttttntgtc tagaattgga 120
 tgtgtgtgtg aaggaagcag ttgctcatta cgtcaagtca tcttcaatta gtttcgggaa 180
 tagaacagaa caactatctt tattagaaaa agattattga acaaatagtt ataatgtgat 240
 taaattatta tttttataaa gcgcgtgatt ntgaaatcaa actttaacta accgcagctn 300
 ttactctgta tgactctcgg tctcttttca tactcttgat tacatacctc tntgaatgat 360
 tccaatgtgt aataagtagt caacaca 387

<210> 12252
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12252

agcttaaagg atgtgaacaa attagcatgg gcagaaatgt ctccgcattg attggtaaatt 60
 ctgttcccca aattcctgaa aaatgtaaag atccaggtag attcagcata ccttgtatta 120
 tagggaatag taagtttgac aatgccatgc tagatttagg agcttctggt agagctatgc 180

ctctgtctat ttttaattct ctatctctag gtcccttgca gtcaactgat gtggtaattc 240
 atttagctaa tagaagtgct gcctatcctg ttggtttcat agaagatgtc ttagttagag 300
 ttggtgaaact gattctccct gttgattttt atatntgaa tatggaggat ggg 353

<210> 12253
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12253

cggtgacaaa ggcatatggg aggccttact tgcataatgag gtgtttctat gtgaacttct 60
 ccaccttatt agttgtaatt tctcacagtg gtcttgccctc gatcccttgn gtgaagtaat 120
 cgattgccat tagtaggtat ttaactgttc ttggggcctt taacagtggg cccagtatgt 180
 tcattcctca catggcaaag ggccatgagg agctcacact atggagattg tccggagggg 240
 tgcataatgaat gcttgcaaac tcatggcctc atctgcactc ctttgtaaag tcaagggtgt 300
 ttgccctgaa tggtggccag tagtagccaa caagcaccac ctttggtgaa gggatcgctc 360
 ccagtatgga gatcgaatat tccatcggtg agtcctctca tgacataatt tgctag 416

<210> 12254
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12254

agttttgtgc aactgaagca tgggaagaag acattctatg ctaggcatca ttgatttctc 60
 aaagaatatc acccaaactg ttggttgaaa aaaactttta atggaagata ggagtttgga 120
 tttgccccga taccaataac agaaaaaaaa atttatgagc gaggaggaga aatatgtact 180
 atctttggaa agacccaaaa gaaggatgca aatgagaaaa acaaatggaa aaagaggtct 240
 atattctttg atcttcata ttggtttgtc ctanatgtta gatattgtat tgacatgatg 300
 catgtggaga aaaatgtatg tgatagttta atcagcacac ttcttaacat taaaggcaag 360
 acaaatgatg gtttgaatgc tcgtc 385

<210> 12255
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12255

tcttggatgc ctaagtgtgg accctctagg gcaatcctcc atttccattt attttgagcc 60
 ccatgaatgt catggcctag cgtagctcat gtgtactaca ccttcgagta tggagccccg 120
 cgaatgtcat cgtctagctc tattagccaa ttctccattc cacactttta tttggagccc 180
 catgagtgtc attgcctagc gctgtacatg tgtcctccac cttcaagtct ggagctatgc 240
 ttcatgaatg cctaagngtg aaccctcttg tgcaatgctc cattctccac ttttattctg 300
 agcctcat 308

<210> 12256
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12256

agtctttttt ctgtcccgag actccatggc tgtaaagctg cgaatacaat catgatgatc 60
 tgattcatgt tgaaggccta tagatttcgc aagaagtcac tgctgcatag cctattccaa 120
 gtcttcaaga gagttttctt ctgtattctt gaaccctca aaagcctcta gagtcctggt 180
 gtttgggcct ttacaagagg aatcatttaa accaccaga cccttgcct cccttagcga 240
 gatattctt tctactacag gctcaagagg ggcagcttta gatgggcat gtctttgtct 300
 aacatagact ctagagaaca aatcatagct cccttntgat gtctgagccg aagctgggtg 360
 ggtttccttt gtacaccct ccattctcat tattg 395

<210> 12257
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12257

gcgagacaca ctatcgagcg actgacanat acaagttaat atatttggtt gataaacacg 60

aaaaaaggat acttagaagg tgcatagaacc acaccctaac tttcgtcatc caccgaacat 120
 taatgggacc caatatctag tatattacat atcatatagt gacactatat aaaacgactt 180
 aagtttttct aacgatcggt ttcaaacgca atagattccc gtgtcattca atgctttaag 240
 caaaagagaa gacaatatag acaaaatata aataaaaata tgcactacat attagcggca 300
 ggcgaaatga attatgcttt caagtataaa ttatgacaga tttcaagtat aaattatgct 360
 ttcaagtgtg aattatatat tatatgtaat attatgactc tcaattgaga atctgtattt 420
 caacacggat tacttaatat tatca 445

<210> 12258
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12258

agtttgacaa accagcttgg ttaactaatg ataataataa taataacttt attttatcaa 60
 atcttatctt atccagattt tattctatct agattttatt ttattcaaatt tttatttcgt 120
 ccagatttta tttcatcaca tcttatctta tcttgccag attttatggt atttcggtta 180
 taagtttgga cttaaaatag atttgtaagt tttggggctg aggacctata taacagcacc 240
 aaagtttttag gttagggagt tttttccgg agaggagaat aattctagga ttttagaatt 300
 tcagttttta ttaactgttca tgcacactgt tcatgtagaa taaaattcat tttttgcaaa 360
 tcctctctaa tccatacatt ttntaatatt at 392

<210> 12259
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12259

taagtctaga ttaatntaat tgcactatc catggcaacc tctttgatat tttttttttt 60
 cttttttaag aggaacacaga tcgagacact gacgaatata aatcacanaa ccgtgaagaa 120
 aattcacaaa aacgctaaaa tttcataagt tctcaacca cattcccaa accccacaag 180
 ttttcttcat tntctcagca aacaagcagg aaaaaaaaaa ggcaaatcag gaggattgca 240

cattatgcac aaagtttagat ctgagaaaaa aaaaaaccca aatgcatgca aaatagaaaa 300
aagaaataaa caagttgaat caacaatgat gaaattgaaa aataaaatta anaaanaaaaa 360
agtagaaaga gaaggtggaa aattgaaggt tacc 394

<210> 12260
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12260

gatcagctcg accgggatcc ttaatcgact gagctgcagc tttgtttttc tttatcgccg 60
ccaccatcgg gttagacgga tatcttaata ttagtactnt gattttcagc cttgtatttt 120
ggctatatatta gtatggtatt tgaacaattg actatttctt tatttgcagc gcatgtttgg 180
accaatatta agtatgttat ttgactatgt ggagtttata attaatctat gcatggntgg 240
ttgattcatg gtttcatggc tcttgcttct tgcttcatga tttggttgat attgtttacg 300
aacattgtat ggatgcttaa attaaattta tttgatacgc attttggctt tttgttgatg 360
ccaaagaggg agagaaatga gattaaatca agcattcaca tcaataatca acttattgtt 420
aagatatg 428

<210> 12261
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12261

tctgtcaact aactaatatt tctaattgca agttcacatt cttgttcttt ctttgtctaa 60
catacatact tgctcaaact catgaaaaga aacacaaact ccatcataat catgcattca 120
aaccaaaatc aattcataca ccaattntca caaaaagagt ttcactgcat aatcatccaa 180
gtcaagtcaa actgttctat atgcttcana ataagcatac caactaacca taaacaaaaa 240
acaacaatgc atataaacac taacaaaaat cactaaaaac attgtactaa aactataatc 300
ataataataa caatccanaa agcatcatca ggaatntaaa attcctgtga ctggctctaa 360
gtgtcctgtg tctgaacatc ctctcattt gacagatgaa gtactggagt agctggagga 420

gaagtgttca gagtcangac tagtgtgatc aggtcctcan gtatctctag gat 473

<210> 12262
<211> 342
<212> DNA
<213> Glycine max

<400> 12262

agctttcatc accgtcgtgg tgctttcatc ggtgtcatct tctcatgacc atcgtgtcac 60
tgtcaatgtc gaagtgtgaa ctctccacc acaagactct catcattaga agctatgaac 120
ccatctcttg cattctcatg tctcttttgt tgaattatga tgggatcaga gatggtgtgg 180
ttgttgatga cattggcttt acggtgcggc ggaaggagcg ttagggtttg tggtaagat 240
tttgaaggaa aatgggctca aaaccatatt ttgggctcaa gagtctatta catgtagaga 300
aagtgaaca tcctatgatg ttgtcctaa gacaattacc tc 342

<210> 12263
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12263

cactcaagct ntctcttttg tgcaactatc tcatoctctt tttcaggtgt agaatgaagc 60
ttgtcttggt ttggtgcagg tgctgctact ggtggagaca cttgaatttg gattccagac 120
ctcaaggtga tggcactcac attnttcaga ttctgcacag tttgtcaagg atatttgtca 180
gaattttgng actgagcttg tgtcaattga gtagccatct gcccatctg atttgtcaaa 240
ctctgaataa aggtctttgt ctcttactga cattgcatat tctggatggt catttgctc 300
actaactctt ctaaggaagg ttgaggaaga gctcagttg cttggtggat ttgttgagac 360
tgccgctgta ttggaggagg aacatatggc ttgcttgtag cagcaacatt ct 412

<210> 12264
<211> 380
<212> DNA
<213> Glycine max

<400> 12264

agcttatgct tttacgaaaa ggttcatcaa gtcaagttaa agtatggaag taaccatcct 60

gcaaaaaatt ggggcaaaag atagatcgag ttacatcgct gctttgtcta ttgccaaaca 120
catttaggac tgttgatgtc cttgttactt ccagtttcac cttgacaaaag atgtaatgga 180
ccatgttaaa aatctaaatt gattaaaccc catgtcatgc gtaaaaattc gcaatacttc 240
aactgtgcat cattcacata catacatgct tttcattggg tgcattgttc attgcattct 300
ttccttgaca aaaaaaagat aaaaacgaac ttaatcattg ttatcacaaa gaaaagaaca 360
tgctttacgg tacccttata 380

<210> 12265
<211> 315
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12265

tcctaccccg caagggcatt ggatagaana ctccaagtag atagcgccac agatgcatga 60
gaaggcccta tgggttcttat gagccttagg gtatatatcg ggcccatggg ctaagtatga 120
gcctacttat ctgttgaaat attacattaa cgcttcatta ttattggggc tgtgatttat 180
ggctccataa tgtacgtagg gtaccctaga aatatatgat ttttcagccc ttgtatttta 240
cggtagctat actagatctt gtattatggg tagttgtgta gatttacatg aactaagtgg 300
atattn gatg tgtgt 315

<210> 12266
<211> 354
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12266

tctagcttct atgagaaaaa cttacttgag aagctagagc ttagctacac acacccttct 60
aataactaag agcacctcct tgagaagctt tcttgagaag attcctaacg aagctagagc 120
ttagctacaa atgggggaaa agaaagaggg agagaaagag aaacgagggg ggatgatatt 180
gaaggaagaa gaaaggaaga gaagttgaac tttgagttgt gtctcacaag actctgattc 240
atcaaagtta cgacaagtgg tacacgtgct tctatttata gactaggtag cttccttgag 300
aagcttcttt gagaanaact tncttgagaa gctagagctt agctacgcac accc 354

<210> 12267
 <211> 503
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12267

cctctctatt ggggaatcac aactgatgga tatgtagcat ttgttatgat ttagttggta 60
 aggttcctct ctaagagcaa aattataatc taagcaagtt cggttaggct ctcaagtggg 120
 tgacaagtct cgtttaagtg gtcttttttg ccttggttaa caacaaaatc gagtgtagg 180
 tgcaaaaatt ggaaagctcc actacacata atagcagtat tatttatttc aatatttggt 240
 tttgcattca tgggttagttt gcttatnttg tctgtgtggc tctcttcatt tatgaactnt 300
 gagacttata tgttatgata tatttcatct atttgatgcg atgaactatc angtggaagg 360
 gtcagcagtc cttgcaggca cagagtagaa gatccatctt caaatagagt accgtgtgat 420
 gcattaatgg agtaatgtgt ttatgtgctt gtgacagtaa gtcttgcagc canggccatg 480
 taaatacctt taatgataac tat 503

<210> 12268
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 12268

tcaagcttga ggaactcata caaacttgag gcaatttata cgcttaccat ggctagcatg 60
 atcacaccta tatatctata attacctatc cccactaatt acgtgaatct atctcttata 120
 attgaaatct gaactaataa atttaaatac ctttgtaggc atctataaat acaaacagtt 180
 gcagctatac cccctttacc tctttctttc ttcttataacc ctaagcacta ttcattggacc 240
 gtatctgcta tattcagcta ctttcttatt gctagagaga agctaatagca atcctacccc 300
 gaaaagcatt gatagaagac tccaagaata ttggactata gctgttgaaa aaagccctac 360
 ggtcctcata acc 373

<210> 12269
 <211> 458
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12269

gctcgcccag gcgagcaagg ttgcttcctc cagaagaaac tacctttctg gaggaatctt 60
tggagggccc aagtggacct ggttgctatt tacaccccc tttttactaa atgcaccnc 120
ttatatattn ttctgtaatt ctttntccgt aacgttacga aactttacga atttcgtaac 180
gatacttatt ttcctttccg caaggttacg aatccttacg gatttatgta tttactcttt 240
ntggcctttca aagaagttac ggaaactcac ggattgcga taaacacctc ttttcgattt 300
ccgccacatt acggaatttc acggattacg caagcctgct tccttttgga tttctgagac 360
gtctcgggac ttcatttatt gcatgtcatc aatttataat cctcggacga aattaaggta 420
tgacagttgc ccctctttac ttacctctca tcggagat 458

<210> 12270

<211> 174

<212> DNA

<213> Glycine max

<400> 12270

agcttctatt gatgttccaa gtgattcttc tgctgcagta attgatgact gaagagcctt 60
acctgagatg ttgaacatat aacaaatata ttgogatata ttctacacac aagattgttg 120
agacgataca tgattcagca ataggggagg acaggcgccc ggcacccttg ttcc 174

<210> 12271

<211> 357

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12271

tagtgttgga gacttagttt gtaatgttat tctgcccata gatagtaagg atcgagcctt 60
gngcaaattg tccacacatt gtgaaggacc gtttaaaata attcagatct attcgaatgg 120
tgcttatgag ttagaggagc taaccctca gaaacgtact ttgagcataa atggtaagta 180
tctgaaaaaa tataaaccaa cactgctcga agttaaaata agcatagaat aagagaaata 240
cgggaaacat aaaaatggcg ataacagtaa attgccacga aagggcatgt gtcaatatta 300

catcgaatag tataatcgaa atacagaatt cgaaataaag aaatcataag ttctact 357

<210> 12272
<211> 353
<212> DNA
<213> Glycine max

<400> 12272

tctatcttga ataaaaactg ttcgagaaaa tgtccaacta aaaagtgaaa taaaggaaga 60
aagagaacga tatgaggaaa acaagaaaaa agacaggaga agattgagga agtgaaagac 120
aaaaatgaag gagtgtagcg gcctcgtagg aacatgactg ataaagaaga aaggaggtgg 180
ctctagcagt gcaaccagcg agcaagagcg aaaatggtgt cgtttgggta gagaaatgcg 240
gaagtgtgcg gagagagggg ttctagaagg gtcaaggaga tgcatacagt cctaacaacg 300
tcactctcaa acgcagaagc ataataaaca aagggtgtgg aaatatcata aat 353

<210> 12273
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12273

cgcggggtctg tgagacanag gtcaagtgtt cgcgatatgc gatgatgatg ttccgagtac 60
tntggatttg gtacgaccat gccctcctga tttccagctg ggaaattggc gaggaggagga 120
acgccccggc atttacgcaa cgagcataat gtaaaccctt acggttntaa aagctctata 180
gttgggccta ggctntagag ttnttccttt tgттаaggct ttgtgtcttt tgttntgaa 240
tttataatac aaggatcttt cttcatctgt tctgggtctc taccattct cattcatttg 300
catgtttact tctttttctg aaacggcaga tccgatgacg agtcnccga aggtactaat 360
acctgngacc cgctatcga cttcgagcaa gaaatgaatc aaac 404

<210> 12274
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12274

agcttggttca tagaagtaat aactaaatgg gaattgtaga aacacctacc aaacgctgtc 60
aaccaattaa aaaaaaaatt gtggacaaat atggaagcca ttattctgac tagcttccag 120
cttctaataga aagaattgaa ccgccgttca caaaatcatc atcaactgga atgttgctgt 180
atcctctacg cattattggg gggtttaagt tttgcagatc ctctcaaact acccactgat 240
atccacaact gcacacctcc aagtgcacaa cttgagaggtt gtcgaccatg gcatgcattn 300
tgatgccata aagatcaagc attntctcta ttttaagata ggaaaaaac tctcccctag 360
tcaaatagag taaccacaag tgatg 385

<210> 12275
<211> 567
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12275

cgggcttgat gaatcattgc aaggcgaact atgatactaa gctagaagga agcttaatgg 60
aggaagagaa tgagagagcg gcgttggtggg tggctgtggc ancnccnccg gacnccnngct 120
ggagggttac ctctcttctg tcgccccct gcccgccnc gcgctctgt tctcacgtgc 180
cttctggttt ccttttgtcc ctctgctttt gtgaccctcc ttgtcttccg tcgttgcttc 240
ttccgttgtc tcccttctcg cgccctccc tccatgtctc ccttctctcn tgggtgtgtgc 300
ctctgcagcc ctcgattctt tacactctct catatagact acctaaacac atcttgata 360
acgctagtgt cacataccac aacactcacg gtaaatctca gtcccgacc gtcacatact 420
tatectatta tgtaaacact ctccacactc ttaattgtgg atggttaagct tctctgcgta 480
ccaccattcc tatacaatat cctcacttg caagtctctt atgtttaatc gttcataacc 540
tattctcact acacatgaat cttaacg 567

<210> 12276
<211> 377
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12276

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tccagaagca accgccttct ggaggaatct tctggagggc ccaaagggc ctgggtgcta 120
 tttgcacccc catttttact aagtacaccc ccctctgctg ttttttggtg attctttttt 180
 cgtaaagtta cggaaactta cgaatttcgt aacgatactt gttttctttc cgtaatgtta 240
 cggaaccttg cggattacat aatcatcccc tttttgactt acggaatggt acggaacctc 300
 acttaattat gcaacgatgc ttccatttga tttccgggtg gtcacggaaa cttacngatt 360
 gtgcataata tttttttt 377

<210> 12277
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12277

tctagccaat ggacatatct ccncatcctc tctaccagtt ttctatctat attntaagca 60
 cacatatatc tcanaacatc attattgaac cctanatcaa catggggcagt tntgcttaca 120
 ttaaacaatgt caagtttagc ataattacaa taatttcctt cacaacaac taccctaaag 180
 caataaccta gtagaactac ccattatagc tcccaagaac ccaacacctg ttggatcgag 240
 tggcctcaaa ataattaaga aggggggggtt gaattaatta ttcttaaacc tttactaatt 300
 aaaaatttac tcttttaagg cttttactta tgttggttaag ggaataagga gtagaagaga 360
 aacttaacag aaagtaaaag cggaattaa atgcatagcg ganagtaaaa tattaaggaa 420
 gaagganaca aacacacaag aagttttaat actgggtcgg aacaaccctg gcctaca 477

<210> 12278
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 12278

agcttatata atcgatctta gcatctaata aattggcatc cttcaaccat acattcggtta 60
 aggagtgttc tattttcttc aactcggatt caattggatc ttctaaagcc acactttctt 120
 cttttttaga gcatggtcta ttttctaaca tccttttttt gccttctctt gcatctatca 180
 tttcaactag agtacggttg gccgaataaa ccaaagggc tgatttttct gttggggctg 240
 gtggatactt tctgaaagct tgggtccaatg caaggactac ttgacttacc aatgtcttgc 300

cttgccccct agctttcaga tatgcaatca tggctagggt ctacttcatt ttggtcatag 360
cct 363

<210> 12279
<211> 326
<212> DNA
<213> Glycine max

<400> 12279

gacattcata tatcaagtat cataatatta tcataaaaca taagaacata aaatatcatt 60
attataattc aagtcattta aacacatgca taataattaa tctacacaca cacacagtta 120
gacaaagtac ataaattctc tgtaaacata cagtatttga caatttaaaa tgtaatatta 180
gaataacatt atccaaagta agcaattctt aaaaaaatta tcatgtcttt ataatctcca 240
ctaactttta tagtaacttt aatagatgaa atgtagctgt attagcagat ggataatcat 300
gcatattaat gacttgaata gggata 326

<210> 12280
<211> 384
<212> DNA
<213> Glycine max

<400> 12280

agcttgcata tagacgttgc aacttgcaag ctctcacatc accttctcaa ctcacaaaac 60
gttatcacat taaccacagc atcgcatgcc atcaccatat tttctagttt gtgtctctaa 120
ttctgtctct ccatattggc ctttgtcatt tcaagcctc tctctctctc tgatcagctt 180
atgtttatgt ttatgtgttc tgcccaattt ttgttctgct cgtggcatac taattttgga 240
cctcattagt taggctcatg aaaaaagcaa gctacatgtt atttccacct aacatttttg 300
ctgtttccac cccaaatttt ctttgtaatc cttgcttcta gatacagaac ttatatattg 360
caaggcgcac acccaaaacc ttat 384

<210> 12281
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 12281

gtcttgtcta tctgctctct ctnggtctct tgaatacact tcttgtcaac ttgatgttnt 60

aataccaatc ttctaactgc tgaccacttc actcctctcc ccagccctct gatgttatat 120

gagataatat tcatgatgag atgtttctct ttcccaatgc ttcagcttcc tttctatctc 180

tgatctccat tgttgtgatt ntgtcgatga ttgttgattg ctcttcccct gatgtcatcc 240

ccaggattnt agccatttcc cattgagcgc tggcctcttc tctaattgtaa ttattacatg 300

gaatcttggg ttgagatgcc cttgaactnt ctgattcagt ttcgggctcc cttgngcctg 360

agtctggtgg agcgtgttgt ccatcattcc cctgtttgc tgcttccatt tcctttatag 420

cctgagtcaa cttatg 436

<210> 12282

<211> 360

<212> DNA

<213> Glycine max

<400> 12282

ttatcttggc tgttacaaaa tcagagacat gagtcatact ccaaacttaa aagaacattc 60

tatcttgata tatctcgatg aacaattgcg agtgaacaga cgtgatgcat aaaaaaaaaat 120

taaaccacaa taaaagttta taacacaata aaaaaatata tatttcaatt ttttcaatgt 180

catccatgag ctcttcaata tcacgtgtcc atggagagga tcaacaccaa ttgtgtataa 240

accaatgctt caattgtctt ttgaggagag agctttcata acaattaagc actttacctc 300

atgtcctata aggagactct gacagaccca caatcacacac atataatgat gatcgaaaca 360

<210> 12283

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12283

gatcctgcta ttctctctat ctacggttat gcgtganatt tccatactac gtcaaagtca 60

tggccaaaag atcgacgttt ggctcaacaa gcctgccaat ggcgggacat ggtgtatgtc 120

gggatatctg tttagcaaat ggctcagaaa taagggaatg cccaaatcat ttccatgaca 180

cacatatcat gataattaga aattcatgca taattaatca tagcacatat ccatgtggac 240

actcaaatat aaggctttgt ggccatgcaa acactaacca tgtgtttgga tgaggaattt 300
 acaaattgct aggaagatca tatacacaac attgtgattg ccttgactta aattcctttc 360
 at 362

<210> 12284
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 12284

agcttaacat atttagaaat caagtgatca tgtattccga aatatatggg gagtaaacgg 60
 atgcacattt tatctatata caattgttcg ttgcttgctc gaatcttgat ttcaggtatt 120
 gtattgtcat catcaaaaag ggggagattg tacatgcaat cggctttgat gttttgatga 180
 tgatcatgat gatgtgctgc aaatgggctt ttcaagatta aaattcaaga caatacttca 240
 agattacaag tcacaacatt aagatgatca ctagaatatt aggaagggaa ttcctaattg 300
 aattagcaaa ggttcggcca agtgatttaa aataaaaagt gtttcttaaa gggtttactc 360
 tctggtaatc gattacc 377

<210> 12285
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12285

gtggtaatca gagcacaaga gtttcaagta tgtgtctcctt atactctcca ttaatttntg 60
 ctttaccttc tcttccatta gttagttctt catttttctc catgtatctc ctcacatgtc 120
 ttgtgataaa tgttntaac atgattgttt agagtttcca cggattaaac ttgctataga 180
 agctagattt gattntatat ggttcanatt tcttgttctt gttcttgaac catgaattgt 240
 gttgagttta agttcctttg agtnttgtct tggttatttt tttggetgan acctannacc 300
 atagaattct taaaaaatat taaagtagaa gaaaacctca naaatctaga gtgacttggt 360
 cacctattgt agtnttgtca tagaagtcac gtctagtcac gaaacttgtc acataagatt 420
 tcttatgttg tgctgaatt ttttttcttg gttctttgtc taactcattt gntcatgagt 480

<210> 12286
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12286

agcttttgaga aaattcaaac gacaataact ttttactcgg atgtctgatt gagtcccga 60
 atatatcgag acgctcgaaa ttgaataccg aagcgctaag caaattcaaa cgacaaaaaac 120
 tttttactcg gatgtctgat tgagtcccg aatatatcga aaagctcgaa tgtgaatgta 180
 gaagctctga gcaaattcaa acaacaataa ctttttactc ggatgtctga ttgagtcccg 240
 taatatatcg agatgctcga aatggaatac cgaagctctg agcaaattca aacgataata 300
 actttntact cggatgtccg attgagtccc gtaatatatc ggaacgctcg aaattgaatg 360
 tagaagctct gagcaaattc aacgacaata acttttac 398

<210> 12287
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12287

gagaataaca acacaaacac cattcaagta tgaaaacggt actgatattc cttgggcagt 60
 ggattggagg cagaaagggt atgttacttc aatcaaggag taccatcatc agtgctacca 120
 tgaccaataa cagtaacacc atggtctagt tgactccac attgtccagt gcanaaaccc 180
 cacttgagaa gaattggaaa gaagatccgc cggcatcaat ggtaatcgac actggttggt 240
 ttgcaacagt aacaccaact gtctggatga ttgatatatg tagctgagta tgtgtatcta 300
 aagcttacac atatatgtta gaatatctga ttcccataag acatatattga ttatcatcct 360
 atatagatgg ttaatgttat tctatcac 388

<210> 12288
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 12288

agcttcgtgg gaaaccagtg catggagggg aaggttggat agtgaagttg atctgtggga 60
 ttcacaatca tgaattggcc aagtccttag ttggacatcc atacggtggg cgattgacta 120
 aggatgaaaa gaaaattatt gctgatatga caaagtcgat ggtgaaacca aaaaacatct 180
 tgctaacgtt gaaggaacat aatgccaca gttgcaccac gataaagcaa atttacaatg 240
 caagaagtgc atatacgttct tcaataagag gagctgatac cgaaatacaa catctgatga 300
 agcttcttga acatgatcaa tacattcatt ggcatagatt gaaagatgaa gttgtggcgc 360
 gtgatctgtt ttggtgtcac ccagatgctg 390

<210> 12289
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12289

gctttcatat attacgggac tcaatcggac ttcctattaa naagttattg tagtttgaat 60
 gtgctcaggg cttecggtatt ccatttcgag cgtctcgata tattacggga ctcaatcgga 120
 catccgagta aaaagttatt gttgtttgaa tgtgctcaga gcttcggtat tccatttcga 180
 gcatctcgat atattacggg actcaatcag acatccgagt aaaaagttat tgtagtttga 240
 atttgctcac agcttcggca ttccatttcg agcgtctcga tgtattacgg gactcaatca 300
 gacatccgag taanaagtta ttgtcgtttg aatttgctca gagcttctac attcaattgc 360
 gagctnttcg atatattacg ggactcaatc agacatccga gtaanaaagt atgggtcgtt 420
 gcaattgctc agagcttcag tattccattt agagcgtctc gatatattac aggactcant 480
 cagacatccg ag 492

<210> 12290
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12290

agtttatgtc ccaagctatt caaagtcttg actagcaa at ttatttgtct aaattattgg 60
 gatatgatta tgttatacag tacaagtcaa gatctcataa tatcgtggct gatgcattat 120

cccgaattgc ggcaccggat gaagcacagt ttactccct atcagtgcct atgtttgtct 180
tcttgatca attccgggat actctnttaa aagacacca atacacaaca ctattggatg 240
aggttcgtca aaatcccgcc aaacatcctg aactcaaggt ttatcacgag cttctcttcc 300
gaaatggaag gatatggttg tcgttcgcaa cacattttgc tagcttacta ttgcaggaag 360
ttcactc 367

<210> 12291
<211> 488
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12291

ctacaacctt ttcttccct ttggcaacat cttagagtca atgttctcgg anatcaacac 60
agttataaca atggagtagc aagatataag tatcagagta ttaaatacaa taagccaaac 120
tcataatcaa gaaaataatc aaaccagaat tcaaataaca tacaatgtca acaaccacaa 180
aatatccaag actgaaacac aagagaaata agcaaagtac ttagcataat aatgtaaatt 240
ctaagaaact aaaagccaaa atacacggct tataaaagat aaataagcag aatctaaaat 300
ctaagaagac ggaggagggtg gtggaagatc aaaactctga cgaatgtatc cgacatcctc 360
ttcaagctgt gtaagacgaa tgtccatacc ggcaaagcgt gaatctaacg agtcanagcg 420
gtcaccaaca tacgaacgaa gacnccgtaa ttccggagagg acttcattca tgagtgcgga 480
atcttcac 488

<210> 12292
<211> 294
<212> DNA
<213> Glycine max
<400> 12292

agtttcta atcagttgttgc ttttgaatgg acgattgttg ctgttgatga atattgttag 60
tttgacaac tctctgggga ttcagaagtt ggggtgtgagc ttgatcgtgt ggtaaagttt 120
gatttgtaaa gttccttgggt tggtagtgat tatcacccaa ctgctgcagc ggctgtgtga 180
ctgctcccaa tgcactggat gggcatgggt gcttctgaat gtgatcgagt tgctgggaag 240
tctgaagtat attctgagct tcgacagata cattgtttga ttgagagatt tgtg 294

<210> 12293
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12293

gctcgcccag gcgagcaggg ttgcttcctc cagtagcaac tgcctttctg gaggaatctt 60
 ctggagggcc caagtgggcc tgggtgctat ttgcaccccc attnttacta agtacacccc 120
 ctgctttntt tgggtgattct ttnttcgtaa agttacggaa acttacgaat ttcgtaacga 180
 tacttgtttt ctttccgtaa tggtacagaa ccttgcggaat tacataatca tcccttgttt 240
 gacttacgga atgttacgga acctcactaa ttgtgcaacg atgcttccat ttgatttccg 300
 gtgtgtcacg gaaccttatg gattgtgcat caatattctc tttagttctc cggcatgtnc 360
 cggaatttca caaattgcct aatgatgggt gccaaagtacc tcacaaggac caaac 415

<210> 12294
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12294

agtttctata taagctgaac cattttatca ataaacacaa gttgagtttt attcagaaaa 60
 ttagagttaa tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
 gaacaccctg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaaag 180
 agtgattctt tccttcctat catctccacc cttgttcttt caaaccataa ttccagaaaa 240
 tccacctctg cccaaaatta tcttgtgacc ataactccca ttttgcacac tcaaattaag 300
 tgattcttga gcctaaatta aatttcaaaa cgagaccttt cacctcgttg tggaatcacc 360
 tcattnggag ccctg 375

<210> 12295
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 12295

ctggagctca tataccctct tggtcttggt ctgatacgta taatatttca aaaaattgct 60
gtctgggttt ctgcttgcac atcctgtggt taactggcat gttcttttct tctgtaactg 120
caaaaacata ttactttggt gagtggcttc taactttaat aatctataac aattcttaat 180
tatacgaatg acgcccattg ctgattgcac gaacaaatga attgcaatcc ttccaatcct 240
ttgaatcact tctcatgcta tcatgcatga ggaatatagt gctatcttat tcatatgccg 300
acatatataa attcttgacc cagtcgagca tgatattaac ttactatcta t 351

<210> 12296
<211> 274
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12296

tcaagtttta catatatgag aaaacctagg cttgtatccg tttagaatta ttactttcaa 60
gactaatgga ggctcataat agaatcagga ccaatctaag ttattaatac attctgcgtg 120
aactaactta ggatacaaag tgggttttta caaactaaat atatatacat tagaagcgaa 180
agaactaatc ttataccata tttgttcttt ataaattaaa ttgcactagt agatcggtac 240
tattttaaact cngaaggcct acttctaact aatt 274

<210> 12297
<211> 491
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12297

gcttgagntc tctccacacc atttttttta ttttaattctt ttatattaac acttgatgta 60
natcacacag ctcagctagt tgtataggaa tactctntca agacaataat agtttatcta 120
cttgatcatt ccagaatttt caataatggt caaaattcaa tggccaattg atggttctat 180
ccgaatattc taccgccaat tctaagttta agccgtctaa atttcaaagg gaatctaaat 240
cttccacatc tccacaaacc angatcctgc aatctcctan aggactctgt cctagtcaac 300
ttgcgcttgc cactgttatc atttctataa tgagagccag aatctccttc cacgtaacta 360
cccttngagg ctaactcact ntctctctcg gntccagcan aagggatgga tccaatttgc 420

ttgatcatgg cccaaggatc ctggaattca tgctcagaat cactnntcca canagatatg 480
gacttgataa t 491

<210> 12298
<211> 204
<212> DNA
<213> Glycine max
<400> 12298

caccaccatt cacgaatgta catcctatgg tacttcttct gtccaaaaca tctccacacc 60
aattggagtc ggaataagcc acaagatgtg gtctaccctt ctgatcgtga tgtaagaata 120
caacgccccat attcactgta cctccaagat atctcacaca tctcttagtg tgctaccatg 180
tgagagtgcc taggatcact catg 204

<210> 12299
<211> 329
<212> DNA
<213> Glycine max
<400> 12299

agcttgtctt ttcgtttatg cgagacagag accaacaatgc tagctatcat cgccaagtac 60
caagaagagt taggtctagc cacggcccac gagcgtaggg tcgcggaaga gtatgcccaa 120
gtatacgcgg aataagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc 180
atgtggatgg atcggtttgc tcttaccttg aacggggagtc aagaacttcc ccgattgtta 240
gccaaggcca aggcgatggc ggacacctac tccgcccccg aagatattca tgggcttcta 300
ggctattgtc aacatatgat agacttaat 329

<210> 12300
<211> 519
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12300

gctatctatg cttttacctc aaattttatt ttggtgaatt tatctatcaa agcattcacc 60
ctcaacattt aagagacttg tgagttntac cttctatcaa tttacacata acataatttc 120

actttntaac cccaattntt tttttggcaa attttaccct gatcttttgt tcttactaat 180
 ggataatgat aggaataaaag taagcaagtt ttcttaaaag tcaagagtaa aatgtgtcaa 240
 attaattntt tgaaaataaa attcgccaca aaaaattgcg ggtaaaaagt gtaattaagc 300
 caaattaact actattttca tcttactttt tctttgtctt tctaaaacaa tatatgacaa 360
 ctattattgt gaaacggagg gagtaacatt atccattctt actaganaan naatattcat 420
 tcctttgtat attacaagaa atagctatga taaccgaaga aatatgagtt ntgcttacca 480
 tggatttgat atgaagtatc tatcacacaa gatcatgac 519

<210> 12301
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 12301

agtttggatc ctcttaacaa cttcaccaat cagctttcta aaaatcaacc agttaagtt 60
 cacaggtgct ataaatctga gtgacaaaaa tgtatggat ttgtcaaata gtccctttat 120
 ttgtcggaca tttaaaaaaa aaaaaaacca acccaaagct tatacacaac tgactcaagg 180
 taaattaaag aagctgcata gagatttact agaagaaatc aggatacaaa caagcacatt 240
 tgtgttcac cccggcatgt gctgtataag atattcgggt acagaagcct gttgcagaaa 300
 ccccatagca aaattttaat gataaaacat tatatacatt aaatggggat gtattcaata 360
 ggagtgcag caggataacc ctt 383

<210> 12302
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12302

atgggtatgg atagagaata aaattattat gttgtccctt tgttnttctt cttcatcatt 60
 tetcaattaa ttntcttctt taacgcattt gcatatgcag gttgagaacc atgaaattga 120
 cacacaactg atggngaagg tgaagcagtt gatcaatgca tactatgagg aaaacctgaa 180
 ggaaagcttc taccagtctg agatagccaa gaggttggag aaacagcaga acacctctga 240
 tatagattgg gaaagtacct tcttcatttg gcatcgcccc acctctaaca tcaatgaaat 300

ttcaaacatc tctcangagc tntggtaagt caatccatat atgttccttt ntctttnttt 360
 ttacctacat gtattctcct ttagagataa ttntgattga gacacagtta aacactanat 420
 gtgaatattt ctccanacat anattcanac tttgattacc atgtggtgga aactaacctt 480
 tatg 484

<210> 12303
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12303

atcttggtat acttgnatat tatatgtgtg tgtgtgtgcg cgtgcgtgca tactttcgtt 60
 tatctctact tatttagaaa tgtgataact cactccatgt gtgttatttg tgttttagatc 120
 ctgtgatgat atcgaatttt atgttcgtgg gagcagatga ttaggtggat gattttaaat 180
 aacctcgtgc tagaggacgc tgggatacaa cactctgatg gatgtgacat tgacgtatga 240
 atttctatat tatttgtata atattctgaa catgttattt tatgttgctc cgctgtttaa 300
 ctagtttttt gtttttaaaa aaaaatagac gactttgttt gcggctagag acgtttcata 360
 ctcttataag tttt 374

<210> 12304
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12304

accccttgaa ctacttcaca ttgatttatt tgggccctca agaactatgc gtttatgtgg 60
 aaattactat ggcttagtaa tagtagatga ttactcaaat ttcttggact ttgtttttga 120
 aaaccaaaaa tgaagctttt gatgattttc acaaacttgc caaggtgatt caaatgaaa 180
 aaggtctcaa cattgtttca attagaagtg atcatggagg tgaatttcaa aatgactttt 240
 atgaanaata tgaaattcac cataattttt ctgccccaaag aacatctcan gagactggtg 300
 ttgtggagag gaaaaataga tccattgaat aatgtgcaag agaccttcta tatgaaacaa 360
 gggtacctaa gtactatata gaagaatgta tacatacgta tttgttcacc ttgaacagag 420

tacttattag acctatct 438

<210> 12305
 <211> 397
 <212> DNA
 <213> Glycine max
 <400> 12305

tctagcttat aagaacaaaa tcgcctcaat cattgtcaaa tatgcatgtg aattaggacg 60
 catcaacaag aatcaagcca aggctattgt gcaagcaatc aatggggcaa aacacaccaa 120
 atgattatga tgatggatgg ctcaaattct cacaaaggta aactcatcac tttcaaattg 180
 agctttcaaa actatcatga catgtagagg agaatcaagg atttcaagtc acaaaatgtc 240
 aaaaattttt attgtcaaaa caattaccca tttcttgaac atatctata attcagagaa 300
 aaatatgcaa aggtcgtaca tgcacacaaa attggacca aacattaaac taacaatccg 360
 acaacattaa caaattaaca aaaccaacat aactagc 397

<210> 12306
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12306

ctaagttctt taacaagctn tgaacaatat acttgccctt catttaactg tctttgngct 60
 tggggggccac gctcaacana gtatttntga aacctactgt acgttgattt gaccaacgct 120
 gttatgggaa tgttgcgaca atccttcana accttattga tacattctga gaggttggtt 180
 gtcattgtggc catatcgacg tctttctcta tcataagcca tcgttcattt ttcttttgaa 240
 atgcgatcaa tccatgttgc tatggctgga ctcaattcac gaaattnttc taaattntga 300
 taaaaaaatg tgcttgcaag gagtgtangc tgcataaaat tagttatgaa taacaatctt 360
 aagtacatat ganagttaa taaacgtcaa ccatcaaata tgaaatctta cccaatntct 420
 tcaacatttc 430

<210> 12307
 <211> 274
 <212> DNA

<213> Glycine max

<400> 12307

agctttgagt taattcttac gacgataact ttgtactcgg atgtctgact gaaaccagtg 60
atatatcgag tcgctcgaaa ctgaataccg aagcgctgac caaatcaga cgaccataac 120
tttctactgg gatgttcgat tgagtcccg aatatatgca ccagctcgaa gaagaatgac 180
gaagctcgga gcgaattcgg acgacctaaa cttgttactc ggatgtcgga ctgaatccca 240
caatatatcg ggaggctcga atgtgattgt tgaa 274

<210> 12308

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12308

agtaatagnc tgcattctaga agaagatagt aaacttgata cagggtaaat agataatgtt 60
caaatgaagt aacggatttt attacaaatt cgtatgaatg aattgccaac aaagtattca 120
atatttctgc caatgtattg tcttgtaact tgtaagggtta taagaactta aaggccccctc 180
aatatcaaaa taacagaaga atcatcttgc actggcctta nattattctg ggaatttgta 240
gcacanaatg ttttcaacct ctccgtctgt gttggctgat aatcagcagt tgtttggtact 300
ctggtcacatc attgatttgc tgttttcttc actctcttcc tttcttgtag tgtaattaat 360
gtgtacaatt tgcagcttca aggaacacaa tgatggt 397

<210> 12309

<211> 143

<212> DNA

<213> Glycine max

<400> 12309

agcttatttt ttctatacac taaccataga ccttcattca tacctttccg agtgagtgat 60
aatgctacac gaaaaattac ggcacttacg atatcttaat ccttagatga aagcgtaaga 120
gactatcata gctaattact aaa 143

<210> 12310

<211> 344

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 12310

 aacatgctaa ctntcacgtg tggcaccgta accgaggaga tctccctgtg tcagacaggt 60
 gtccaattcc aaacatgctg aagatcaact tatacacata tattatgata gctctttact 120
 ctaacttctc taaaatctga aatacatgag ttgattctga ttcattgggag aactacaaca 180
 cactctagct gctatgtgtg tgttcttata ggaagagttt acaaagaagg tcgcaatgca 240
 cacacgcgag ctattcttaa ggtacgtgat gatcttacta agagtgatac tagttatgga 300
 acacacagat gccacccgct cgtcagacac actatcaagt aact 344

<210> 12311
 <211> 110
 <212> DNA
 <213> Glycine max

 <400> 12311

 cagtacatta tccaaagcta aaggcaccta actatgcaca caaatggatg atcacaccaa 60
 cagcatacgg acattaatca ttgaatgaag catagaacac acatcacata 110

<210> 12312
 <211> 385
 <212> DNA
 <213> Glycine max

 <400> 12312

 agtttgccca gagaaggagt ccacggagga aatgcttacc acctcaaaag actggaaagc 60
 ggttttcta gactcctctg cggcttccac ataaggcata gaggatgggc agctcaccaa 120
 gatgtcttcc tcgcctgata cgatgaccag atgcccttcc actacgaatt tcaacttttg 180
 gtggagtgtt gaggggaacaa ctctactga gtggatccac gggcgcccca acagacagct 240
 gtaggggggg ttaatatcca ttatttggaa ggtaacttga caggtgtgag ggcctatctg 300
 tactgggaga tcgatctctc cctaacctc tcggcgggtg ccgtcgaagg cacgaactgt 360
 tagacaagtg gcctcagata tctta 385

<210> 12313

<211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12313

gcttctacat tcaatntcga gctnttcgaa tattacggga ctcaatcggg cttctctatt 60
 atttagttat cgtagtttga atttgctcag ggcttcggta ttccatttcg agcgtctcga 120
 tatattacgg gactcaatcg gacatcagag taaaaagtta ttgttgtttg aatttgctca 180
 gagcttctgt attccatttc gagcatctcg atatattacg ggactcaatc agacatcgga 240
 gtaaaaagtt attgtagttt caatatgctc agggcttcgg tattccattt cgagcgtctc 300
 gatgtattac gggactcaat cacacatccg agtaaaaagg tattgtcgtt tgaagttgct 360
 cagagcttct acattcaatt tcgagctggt cgatatatta cgggactcaa tcagaca 417

<210> 12314
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 12314

agcttctaga ttagtgtagc aaatgaccgc ggctccagcc aagctatctt ggaaaaagtg 60
 cattaacaac ttttcatccc tagaatagc ccccatcttg cgacaatata tattgagatg 120
 gttcttagga caagtcaccc ctttgtactt gtcgaaatca ggtaccttga attttggggg 180
 gatgacgatg tccggtagca ggcaaagatc cgccatgtcc gtgaacagat agtcgccata 240
 gccttcaaca actctcaatc actcctcgat gagatcgagg ttccttcttt cttccactgc 300
 caggggtgag ccctctgtgg acaaaaatat tggccatgct g 341

<210> 12315
 <211> 522
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12315

tagcgtgcac cctcactaag cgccaagact cangttagc gtgaagaatg tccattanga 60
 agcccanagg cgtgcttagc acgaagttag cgtgaaaagt aagctactct aggccataa 120

aaggaataag aagcaaaagg agaagatacc actctggaga ctcaggggttc tctaataaat 180
acatactaag tctgagcatc tctaataagg gaaatcctct atatatgtcc attggccccct 240
tctcctccta tatccatccc gtttcttcta tccacattag cccctaaatt gtaaagcctc 300
tcatgacaat gagaggctaa accccttttag ttagggactg acaggtctaa aaagtcacaa 360
gatgtattat atgtttcata tctatcaatg caaacatgtg tattctttcc tattatcctt 420
ccttattcta attacatgta tcattcatcc ttgcattatc tntaggagtt aggtgctcga 480
aagaagataa tcattagtag aaatacaagg aagggttat at 522

<210> 12316
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12316

agcttcgact ttactcgaa ggtatctcct tgtcttggtt aattttcggt ttccgctagt 60
tgcagcatct tctggattgg aaatatcgct tggtgcgtat tctctttcac cgaacatgaa 120
acattaactg gtatagatta actattttgc atcttattat gctttgcttg cgccattggt 180
gttaaaactc caatcatatt gtttaaactt tgaagactta ttanggatta aagattgact 240
atgaatttgg gccataaatt gtttcaaaga attactgagt gtcaaagttt aactgtaggg 300
tcaaagttt tagtatgact ccctgatgct ttgtgattga atctggaaaa ctgatagctt 360
aacagtactt ctaaatttat acatca 386

<210> 12317
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12317

tgtccacata tactntgttg caacctaccc ttcggcgtgt atgtttacgc gagggctcac 60
aggtgcgtct tccatgacag gaanatgtgt ggagttgcca ccaacgttta ttcgaggaaa 120
acgtcggaga aactggaaaa ggcattggtct acgaacttta agtttgaaag gtccgggagt 180
tgtatttacg cagcaggaag atattagcac cccacgcgtc cgtcacagag tacggcagcc 240

tttaaatcaag tgtgcaaata tgacttcaat ttgttatatc ttcccttntt tacgctntgt 300
atgtctatgt atgcctttta tattctttat ctt 333

<210> 12318
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12318

agcttttgtt cctttntata aaaagagaag ttctgaaact catcacgttg tctaaaaagg 60
ccttgagggtg gatccaagtg ctataatcat tcattagcat attcatgttt tgggtggcata 120
ctcaccactg tttgtttctt tagggaactc accataacta aaaaagcgca aaggcaccccc 180
tataacaccc ctatcggcct taaaagatca aatggcttct atcacagagg ccatgctaaa 240
gattcaataa actatagaag ataatgctac agcggtcgct tccaatacgg ctagggaagc 300
agaatcgggtg ctacaacccg caataaactt gggccgagat gganacgcga cgggtttcaa 360
tcggagggtat aatcctcaag ctacccttat gggt 394

<210> 12319
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12319

cttcctgggt ttattgttga ctatagagt gtacctggag atatgtcgcg gtgggtcagga 60
gaaccttggg acgtcagggt gngtgctatt gcccanaacc aagcttgacc aatccccgacc 120
caacccgggc atagtcgggc agtgagaacc tgtgatgtac ctaagcaggc gagctcctgg 180
cagtcaacag ataaaaggaa aacaagacca caaagcaagg aggcttgtgg tggctggcca 240
gctgtgaaaa ttgattgata tgtgagatat ggtctctggt aatcgattac caaggggtggg 300
taatcgatta caaggcttan aaatgaagac agggagctaa gatggctctt ggtaatcgat 360
taccagggga tgtaatcgat taccaggctt 390

<210> 12320
<211> 391
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12320

agcttgaata agcgatctaa gtatttaata atatttagaa tatgttttga attccatcta 60
ttaattaata gtaataatgt tgaagtttaa atctgtatac gttataagtt aattaaaccc 120
cattatcatt attgcaacga aaaagcatta attaaatgca tttattaggc ttaaacatta 180
aatgttgtaa ttactaaaaa aactaagtat ttgttaaagt gttttcatat tgtcaaaggg 240
atttaactta ggtaggtta agcgaacgaa ttattgtaaa tttttttatc ttttaattcct 300
aagaacaaaa naattaattt tatattntaa aattntatta ttatcataac attgatggga 360
aactaataca ttacttagac attntttatt a 391

<210> 12321

<211> 364

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12321

cttcctgctn ttactcgttg attacagagt ggtacctgga gatatgtncg cggggtcagg 60
agaaccttgg gacgtcaggt ggngtgctat tgcccanaac caagcttgac caatcccgac 120
ccaaccggg catagtcagt cagtgagaac ctgtgatgta cctaaacagg cgagctcctg 180
gcagtcaaca gataaaagga acaaagacca caaagcaagg aggcttggtg tggctggccc 240
agctatgaat ttgtgtgata tatgggttgt ggcctctggt aatcgattac caaggggtggg 300
taatcgatta caaggcttan aaatgaagac aggaggctaa gatgggtctct ggtaatcgat 360
tacc 364

<210> 12322

<211> 345

<212> DNA

<213> Glycine max

<400> 12322

agcttccact atatccaaga aattcaattt ccaaacatca tgaactaccc taaaccaaga 60
aaacagggca gaggcagaaa actctgcccc aaacatattc acatattaca gctttcctta 120

ctcaaatact ccagtaacat tctcttcatt ccgatttggt aaccgtagga tgcacttgaa 180
aattttactg gagggtccta gtacataaat ctacattatg accgttgga tctgctagaa 240
aatatccaga acccaatatg tactaccttt ccataacca acaatgcaca agcattttct 300
acacatgaac aaaaattctg ctgcacaaat ttgacagcaa ttttc 345

<210> 12323
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12323

ntgcagaatt ggtcttcgcc agtgaaagga tcaatgtggg ttctatanat tggcatnatt 60
gatcactcta ctangacgac cgaganaatc tgggcaaata aagaggggtga ggatgaggga 120
gaaacccatg ctgtgactgc cattcctgta cggccaaatt tcccaccaac ccaacaatat 180
ctttactcag ccaataacaa actttctcct taccacaccac ccagttatcc acaaaggcca 240
tccctaaatc taccacaaag tctgtctacc gcacttccaa tgacgaacac cacctttagc 300
acaaaccana aacaccaacc aagaaagtga atttgcagca nanagcctgt anggttcacc 360
ccanattccg ttgtcatatg ctaaacttga tcccatatct acttgataat tcaat 415

<210> 12324
<211> 385
<212> DNA
<213> Glycine max

<400> 12324

agtttaattg gttcaggccg gtttggacaa gtctacgaag gaatgctaæa agataataca 60
agagtagctg tgaaggatgat ggatacaacg catggtgaga tttcaaggag ctttagaagg 120
gaatatcaaa ttctgaaaaa gattaggcac agaaatttaa taaggatcat cacaatttgc 180
tgtaggccag aatttaaatgc ccttggtttt cccttgatgc caaatggtag ccttgagaag 240
tacctatata caagccaaag gttggatgtg gctcaattgg taagaatctg cagtgatgta 300
gccgatggaa tgtcctatct gcaccattac tctccagtga aagtagtgca ttgagatctt 360
aagccaagca atatactcct tgatg 385

<210> 12325
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12325

gctactccgc acaatggtga cctcttggga atgaagcaac aattcctcct tctgatgtct 60
 catggacact tatccttgat ccaagtacac tccatgcgaa aggtcggcca aaatcaacaa 120
 ggataagcaa tgagatggat nggctcanac attctgagca ccgacaaaat tatagtagat 180
 gtggaacaga aggacacaac aggcgtcgat gtccaatgca atctgaacgt ggaagttgta 240
 aattaataga ttatgtatta agttgctgt tcaatgcac gtagtatcca tgatcagtn 300
 gttttaaaat tatttattaa tatatt 326

<210> 12326
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12326

agttttatat actttccatt tttatataat aggactatga aagttttacc tgaaatgttg 60
 aacatataac aaaaatattg ggatatattt tacacaaatc atgttggcca agcttcatgc 120
 gtatgttttg tactattaag tcaatggcaa catcattatc tctccactc gggatgataa 180
 tatcagcata ctttttagtt ggcaatacaa aatcttcaaa acttggcttt acaaactctgg 240
 aatactgaac aatcatntng tatttagtca aggaggactt taaacatttt taaacaaaaa 300
 caactttgaa taagttatat gctgaaaaga aaagctacaa gaatcaataa aaaaatgttc 360
 aactagggga ttgttagta 379

<210> 12327
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12327

taccatcac atgtggtact aggtggctgt cgtgtgatgg tgcacnaaca agttttccac 60

atccacaaag cgcgcataaa cccaccatcc nctgttgccc acctccaact gaggtcacgt 120
 actcccacgt agcccatatc ttcgtttctc tcaacaccgg gtcccatca atcctcccaa 180
 gctttcctca acatccaggt aaaacaacat tcaaaccgca caaactatca cagccaagaa 240
 aacagggtaa aggcagaaaa ctctgccccaa aacaccaacc aaaatcacag ctntttctac 300
 ttatagaccc cagtaacaat tccttcgttc ccgttcgtta actggtggat tgactcgaan 360
 atttactgga agtcttagac ataacctaca ttttgaccgt ggatctgt 408

<210> 12328
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12328

tcaagctttc ataagtgaag ttaggtgcaa ccatctccct atgagtcctc tcacgaggtg 60
 gagattgagc catgtttctc gtatgaaaat tagcagtcac atgctcaaaa tcataatggt 120
 cataatcacc agcaacagaa tgctcagaat acacgaaatg ctcagaatgc tcaaaatgca 180
 cagaatgatc aagatgtaca ctatgcctaa ctaatctatg aaagggttcta tcaatttcag 240
 gatcaaaggg ttgtaaatca cctagatttc cctagtcac gcactatatg cagcaaatca 300
 tgtattttctc anacaagcac taagggtaaa attaggggta aaactaaaac tataactcaa 360
 cgatatccan atgagctgan tatttgtgag caacacctt 399

<210> 12329
 <211> 228
 <212> DNA
 <213> Glycine max

<400> 12329

gtcaacagaa tcgtgcttca aaagacgaat aactcacaag gatcagatgt agttcagcag 60
 tttctaatta gggaaatcta ttttcttttt aactatataa ctcttatggt ccaataagac 120
 aagatactat acattgtcaa cacacacgaa tttccatagc ttcagctgtg tagtgaacta 180
 taccagcgag cccgcactct gcaggacagc agaaacacaa catgaccc 228

<210> 12330
 <211> 374

<212> DNA
<213> Glycine max

<400> 12330

agcttctaata ctttatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatatcttaa gaaggggggt tgaattaaga tattccaaac tactttccca attaaaaaaa 120
actatttcac tttttattca agttatgaat tcccttaatg acaatcttct taaatattga 180
ttcaaataaa acaatttgaa tatgaatata aagaaataat aaataaagga gattaaggga 240
agagaaagtg caaactcaga tttatactgg ttcgggccaca cccttgtgcc tacgtccagt 300
ccccaagcaa cccgcttgag agttccacta tcttggaat tccttttaca agttctaaac 360
acacaaggac aatc 374

<210> 12331
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12331

tagtcccgct gtcaagatga tcattnggag tccttctgtc tcttgctttc acattcaatc 60
ggcatttcca ccaattaaat gtcaatacaa ctttccttca tggngatcct cacacagaat 120
tatacatgcc acctncteta ngcttttagag acattngatc cgaggctagt gtccaaactg 180
cagaaatccc tttatgggtt aaagcaggct agttgtcaat ggaatgacaa gctatcctag 240
tctctcattg gttctagtta ttctagttc aagacagatt atntcccatt cactaagttg 300
aaactctaaa gggtcgagct tcgctgcaat tctttactat gt 342

<210> 12332
<211> 298
<212> DNA
<213> Glycine max

<400> 12332

agcttgccat tcagctcgcc caggcgagca gggttgcttc ctccagaagc aacagccttc 60
tggaggaatc ttctgtaggg cccaagtggg cctagttgct atttgcaccc ccatttttac 120
taagtacacc ccctgccttt tttttggtga ttctttttcg taaagttacg gaaacttaca 180

aatttcgtaa cgatacttgt tttctttccg taatgttacg gaaccttgcg gattacataa 240
 tcatccccctt tttgacttac ggaatgttac ggaacctcac taaatgtgca atgatgct 298

<210> 12333
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12333

cttcatggac tatcaatatac agatcacggtt cttcttgaat tataaataac tggcagatta 60
 ttggtttgaa gtcaaaagaa tcttgcttca naagacgaaa aactcanaag gatcagatgt 120
 agttcagcag tttctaatta gggaaatcta tttttttttt aaatatataa cttttttgtt 180
 cgaataaaac aagagaatat acattntcaa caaaaatgaa tttccatagc ttcagctntg 240
 tagtaaaacta gagcagtgag cccgcactct gcaggacagc agaaacaaaa catgacccat 300
 tttctttgaa atgcanaaag aaaaaaaaaat gcaacagtn ttggcacatg taacctttga 360
 gctntgaccg gagaaattac ttaatagacc ctatnntttg cttgtgtcac cccatanaat 420
 aatgagcaag aatggattat gtcccttgggt agtatttact ccaccata 468

<210> 12334
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12334

taaatactat gctatttcag agagattatg gaagtcaaata cctagtcgtc aagatatatg 60
 tggatgatac catattcagt gctactaatg acttggtgtg cgaggattnt tccaaactta 120
 tgcaggcaga gctcgcgatg agtataatgc gagaattgaa gatctttgtt ggacttcaaa 180
 tcaggcatac aaactatggc atatacacac atcgaaccaa gtgcatgagg gaacttctga 240
 agaagttgaa gatggatgat gaaaacaaaa tgataacact tatgcatcca accactgtac 300
 ttggactagg canagaatca tagcgggtgg atgaaaagac atacaaagaa atgataggat 360
 atctttttgta tgtcattgag tccagacctg acattatggt cagtgtatgc ttct 414

<210> 12335

<211> 357
 <212> DNA
 <213> Glycine max

<400> 12335

agtttttctaa tgagcttttg tccctggaat agagtctttc agttgtggga gtagttgacc 60
 aattgtgtct tctatttttg gttgggtcgg gtttcattaa agtagagctt gaagcccttt 120
 ttcttccttt catcatagat gggcagtcctt gggaaaactc tgttaggcac catcttgatg 180
 tcagtgcac tactaatgtg gagtccaatg ggataagtag ttgcctagtc tagtacgtac 240
 atttacttta agatgcatcc tatcatatta agatattggtt cggaggggtat taggcaacca 300
 agatgggagg tattgaatct ggtgcgaaga atttagatta gcaccttctt ggaccat 357

<210> 12336
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12336

actgaacata ttctcggatg aaatgatgat cgatgtctat gttctcgtat cgttcatgat 60
 gagtanggtt ggaagcaaga catatagcag atttattatc acaaaatagc atcacagagg 120
 gcacatcaac ttcaaagtaa agaagtaact agcttaacct aacaatttca ctagtaacag 180
 aagacaacgc atgatattaa gcttcactgg atgattctga aacagtgagt tgcttcttag 240
 aacgcctaga gagaaggggtg tctcccat aaacacaaag gccagaagtg gatcttctgg 300
 tatcaacaca gcgtggccaa tcagcatcag caaatgcagt gaagttgaca gaggttgtgag 360
 catggaagaa caaaccttgt tcaggagcag atctgatata ctacagacga atatgaacaa 420
 catgtaggtg acgaactcta agtgctttca tatactgact taatcgatca c 471

<210> 12337
 <211> 562
 <212> DNA
 <213> Glycine max

<400> 12337

taagctaacc tataacaatc gtcacatata cgataaggaa tatagggtaa tcatacacat 60
 atttaactag acaaaggag atttgaattc gaaagccatc gacacatcat aggcgaaatcc 120

gagctcagcg cccggtgata ctctaaagtc gaccagcacg cattcaagct tataaatgca 180
 atagactctt gctcaatcga ttacttgata accgaacgac gtacagcccc ttggatagcg 240
 aaacccgaaa taaaaggagc aaatgcttgc taccctaaca attacattgt cattaacaaa 300
 cgacatgcag ctgaccaaga tagaatcatt tgccaaccaa gcgataattg tgagtaccat 360
 ctaatctatc ctacaccaac ataagaatat cagttaatgt tgaaacgata gaacaaaaga 420
 taactcaatg aatccctaata gcaatgagat tcgacatctc gccactattg acgattcatt 480
 aacatgctct tttttgccta agaaacccca catcacacac gttgcagtcc ctgaagagta 540
 caacatcgag ctgaaatggc tc 562

<210> 12338
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12338

tatgcgcata cttcttcacg aacgttcact tgcacaagac attcttataa ctattataaa 60
 tgcaccata tacaatcaag gcaccttcgt tacctagatt atttacatgt acttccaagg 120
 tgtatttggt accttcatca cacacatttc ctttgctaga ttcacatata tgcatactct 180
 aaacactttg gctatcaaaa attgcatacg cgcacatctt ggtatttcta atacctatac 240
 atacacaaac ttcatgatga atcttgacta tctacacaat aagggtgctac atttcatgct 300
 ctccccctta tttnttcaag tgttggtact acctagagcc gcatgcaaata tcaagtatat 360
 tctcttttagc tcaactaaaat tgtattcaaa ttaagaggta gttccgtaat gtatcttctc 420
 tacataacat gcaacatata tatagattgt tgtgagacat cttgactacc agaagtatat 480
 gtcatacat 489

<210> 12339
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 12339

agctttcaac ctgctgtttt tatgtgcatt cccttttagt cctcaaggct tttaatgata 60

tcaactgtggc tgcttaagat ataacaaatg tctggatgaa tactttatcc tattgtggcc 120
cacatggagt atccagacgc ccatatctac tgagacaatg gtgactgcg tgatcattcc 180
gctcactatg gtgtaaaatt actctattat agtggacgat acactttgta taaacatgag 240
gtgtacaagg ggagatactt ggcattgctt ggacatttag ataaaggatga cctttgtcat 300
ttgtatggac a 311

<210> 12340
<211> 349
<212> DNA
<213> Glycine max

<400> 12340

actgaagttg ctaactttat tattgtaccc ctttagcatc atgattagaa tgttaaattg 60
ttgctagaat tatttttcatt ataattgatc agagggtgtgc atccctgaa cttcataaag 120
caccagtgtc gtgctcttga ttatattttg gggctctaga cccttgaatt gtaagtcaca 180
ttggaatgac ttgctcttta ctcaacaggc agctgctcaa tcggcacaca gtgctgacct 240
tttctggagc cttgcctcag tgcttttgag tctcgcatgt tattttgctt acaggctaaa 300
tctgatatat tttctcacct gcacattata attacgatga atatgtctt 349

<210> 12341
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12341

agcttgccac tggagctgac ccatcaactg ccctaactct tttaaactgg tgattcctat 60
gctcttgacc ttgacttgat agaacctctt tttaaagcgaa ggcgtttgac ttgatcccat 120
gttttaataa agtgaaacaa aatctagtgc gaatcaaac tccgacatct atcatgggtt 180
gaatggatga atgcataaag aaatgcatat gatacagatg caatttatga atacgggagc 240
ccgggaaatt gtctccttct tagatacaac gtcttggggg agcacagtgc ccaacgtatg 300
tatttaagaa agtgacacgg accctccgtt ggnttgccaa agagaggnga tcaagacaga 360
acctatgcat gatgcatatg tg 382

<210> 12342
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12342

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 gctgtattgt atttcgttgc ttaacttgag ttcttttagta aacttggacg accttggtttt 120
 gttctggaga tgttcttaat aaattntatt tagtaacagt gaagcgaatg tgatccctttt 180
 acccacgtgg atttgttttac atgatttgaa taaaatgggt ttaattaaat tctggattttt 240
 tatatatctt tcttatttat atgtatctcg gcgtagaggg tgtcacactc agtgctcgcg 300
 tgaccctgtt cacctgtccc tatccctgtt gctgtgcttg ctcaactgct ctactcagag 360
 tcaaagtaca tcgtgacgga tcaaggccgc gactagttca ctactccgtc aatct 415

<210> 12343
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12343

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 ctaagctcac ctcccttgaga tgagaagcta gagcttagct acacaccccc tataataact 120
 aagctcacc ctatgccaaa aaaaacatga aaatacaaga aaaagccctt actacaaaga 180
 ctactcaaaa tgccccaaaa tacaaggcta aaaccctata ctactagaat ggccaaaata 240
 caaggcctaa acgaaggaaa aacctattct aatatttaca aagataagcg ggctcatatt 300
 tagcccatgg gctcgaaatc taccctaagg ttcattgagaa ccctanggcc ttcttttagta 360
 gctcta 366

<210> 12344
 <211> 491
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12344

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 ggttggtgca tttcacaatc canaggatat ccttatgtat gtaaaaacat caaaaggaca 120
 agtgaaagta gttntctctt ggtctttaag atctactaca anttggttat agccgaaata 180
 accatctaag aagcaataat aagcttgtac ggccagccgc tctaacatct aatccatgaa 240
 aggaagggga aagtgatcca tccttggtgc cttggttaaga attttataat ctatgtacat 300
 tctccatccg gtcattgttg ttgtgcgaat taattcattt ttctcattct taacaattgt 360
 catgccaccc ttcttcagat ccacttgcac tcaactaacc catgcactat ccanaattgn 420
 gtangtcatt ctagcttcta gaagtttana acctctttcc ttaccctttn cttcatcaca 480
 agaatcaatc t 491

<210> 12345
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 12345

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 tggcgctcgt ttgatggtag ctcggtgtgat gttagggcat ggatacgagc ccggaagggg 120
 tttgggtcgg aacgacgaca gcatggtgag cttggtggag tccaaagaga accgcggaag 180
 gttcgggcta ggatataagc ctacacgcac cgacgtgagg agaagtgtc tagaaaggag 240
 gggtagaagc atgggccaac cgtgaggacc gcaagtgaag gggattccct tacgtcacat 300
 caatgaaagc ctcacagcg tgggctggat gtgtgaaatg gcaatcgcca tgatccatga 360
 tgaagtcctt aag 373

<210> 12346
 <211> 528
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12346

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 attgtatact tgcttgatta ttgtataact attggcatta tcctctttca atgtagcag 120
 aatatttatt gggtcaccat tgactntgtc aataatcttt tcatccaatt aatgacttag 180

tcaattcatg attgtgactc ccacacatta acttcaccat ccatacctttg cctccaacca 240
ctagtcttcc atgcggttta atggggcacc cacattntct actgccagtc attattctta 300
acaaatcttt cttcttgacc ctatactgac cactcctttc acaaccaatt aacacaaatg 360
acgtcctttc tctcatacca atatttgtgt ctgacctcac aattaccgtc acanaaccaa 420
tttcataagc aacagctcga gcccaattca naacatcatc acgggtagca nacatttaca 480
atgcaatcca nacatctnta gttnttaagg gacattcatt aacttact 528

<210> 12347
<211> 357
<212> DNA
<213> Glycine max

<400> 12347

agcttctagg ccttgtggag cttcttgctt ctactgcttg aactgcactt gcaagcttag 60
cttgaacttc accagtaaca tcatcagggt ctggatcact taatatttct gcattgatat 120
gcatcattgg cttcttgctt ggatcatgct tgtgcttcat ccatgtgttc agcttatcga 180
attggacatc cttactaaaa actattagat tcgctcttgg atctaagagt ttgtatgacc 240
ctatgggatt gtagccaaca aagatcatgt gttcactctt gtcatccaat ttcgcccttg 300
attgatcagg agtatgtcat gaacatgatg aaccacaaac tctcatatgc ctcacag 357

<210> 12348
<211> 175
<212> DNA
<213> Glycine max

<400> 12348

aaagcctaca tgcatacat ggaattcact atacatagca caatactatc catggggttag 60
catgatcacg acgcgagcta tacttgctt tatctaacta gattgtacct cacacactta 120
ttgatatcag ctcacgcgat ggcaaataga catgctatcg acttaatggt gaaca 175

<210> 12349
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 12349

agcttctctt ccaattttct ataaataggg ggagaagtga agtgaaaaag ggttcagccc 60
cttatgcact tatctctctt tcgaattcgc ttggaaaaat tgtttccatg aagaaaatct 120
aagccgagggc gcgctccgaaa tgtttccgta aggaatttcg cgaaggtttc gaccgttctt 180
cgacgttctt cattcgttct tcatcgttct tcgatcttca acaggtaagt acctcgaacc 240
aagcttttcg attcattcta tgtaccctgt gtggtccaca ttgtgtttcg tgtattttta 300
ttctcgtgtt atttactttg tataccccct tttgacgtgc ttagaccatt ttatttaagt 360
catttctcgc ttanactaga aataaaat 388

<210> 12350

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12350

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ctttcgaaga agttgaatga aaagagtctt tatagaagtg cataagttga tattagttta 120
tgtggaatat caactcattn taccttatca tcttctcctg taagtactta tagagaagtt 180
tatctagaga ggaccttgta cactttctaa tgtgtaatat aatcctttct ttgtgttcta 240
agaaaataat aacaggggtct tgcagcggat aaaggtgaca tcgcaagagg cacagatttc 300
actgcgacat tgcctctgcc tcacacaaca gctattgatt tcaggcanac ttccagaatg 360
acatttctat ctattatcaa acataattng gtgtatntaa tttcgagcaa gactttgacg 420
tttcttcaga ttctaacgta tcactntagt ttagtagatg taatcttaag tc 472

<210> 12351

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12351

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caattttgtc acaatctctg gctcagtttt cggcgggtcat catccagttt ccagcaagtg 120

atggggctct tctgagatct agtttagaat ctgctgcct ctatttccac caaagggaaa 180
catatccacc tgcagatata atccatacta gcgagtctcg tgagtgggtgc aaaacatctg 240
gttattatgc agatcctcat ttgtggcaag aaacttatga ctatagacca ggattgactc 300
cttcagaacc taataattca attgagttcc ccccggcagg tttgccagac atanttgct 360
tattcggaag agcagccaga gatattctgg at 392

<210> 12352
<211> 399
<212> DNA
<213> Glycine max

<400> 12352

agctttcata agtgaaatca ggtgcaacca tctccctaag agtcctctca cgaggtggag 60
gttgagccat gttctcaata tgaaaattag tagttgaatg ctcaaaatta gaatattcag 120
aatcaccagc aacagaatac tcagaatgct caaaatgctc acaatgttcg aaatgcacag 180
aatgatcagg atgaacacta tgcctaacta atgtatgaaa ggttctatct atttcaagat 240
caaatgggtg tgaatcccct ggattgcccc tagtcatgca ttatatgcag caaataatgt 300
gttctcaaac aagcaccagg ggaggggttaa aactacaact atagtcccat gatatccaaa 360
tgagctgaaa ttttgtgagc aacaccctta tatcatgaa 399

<210> 12353
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12353

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agccgagatg cttccgtaac gctntcgaga cgtttccgtg ggtgatttcg tgaagaattt 120
ccaccgttct tcatcgttct tcggtcttca accggttaagt tcccgaaatc gaactnttca 180
attcattcta tgtaccttcg gtggctctca tttgtttcgc gtgctattat tgttatttca 240
tttgctttcc cgtaccact ttgacgtgct ttagtcattt atttaagtta ttttcccgcc 300
taatcaaaaa taaaataaat ttccaccgat cattcatatt gtgacatctt ttaatntctg 360
gtaaaataa 369

<210> 12354
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 12354

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 caaagatggt ttctcaaaaa aacttctcaa ggaagttttc tcaagaaagc ttctcaagga 120
 agctacctat tctataaata gaaacatgtg taacactcgt tgtaactttg atgaatgaga 180
 gtcttgtgag acacaactca aagttcaact tctctccctt tatcttcctt caatttcgtg 240
 ctccccctc tctctttctc tcctctttc ttttctcca ttgtagcatc ctctctaagc 300
 ttcttatcca aggetcatct tgggtgggaa gcttctttct ccatggctt 349

<210> 12355
 <211> 214
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12355

tactaagcta agaaanacat tattttttat catatttcta gttagcttgc agttaatctt 60
 atttgtgttt ccatatgaaa aagtttagag acattgaata atcttaaact tatgttttca 120
 atgatcaagt caataatatc aaggaggagg cctttatget ttcttcaaga aatgacaact 180
 cattttgtaa gtacaatggc cttcctaaag gtat 214

<210> 12356
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12356

agcttgcttc tacaatctcc ccttttttga tgatgacaac ttctgaaatc aagaaacaca 60
 cacacacatt ttttctagt cgatcactga cgtaaatttc cattctcccc ctttgttttt 120
 gaatttatgc ttcacttaac attaagttaa ttactcatgt gagttcttga tttaatccct 180
 atttctctcc ccctttggca tcaacaaaaa gccaaagtgc gtaacaagta tgaaacatac 240

aaatacaact aatcattcac acaacaatca tggaaaaata taaactaatc atgaagcaag 300
 aaacatgacc aaatcanata ttatagaaaa tcacataggc acataacata attcataatt 360
 gttcaaacac accatg 376

<210> 12357
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12357

tggctctcgc cggcnaagga tcgaagcggg tctgaaaaga tgcattntga tcctcctact 60
 ttgatgagtg agaaagatgg ngcaaatgaa gaggatgaga atgaaggaga aacccttcct 120
 atgactgcca ttcatacatg gtcaaatttc ccatcagccc aacaatgtca ttactcagcc 180
 aataacagtc cctctcacc aatcatccac aaaggccatc cctaaatcaa ccacaaagtt 240
 tgtttaccgc acttccaatg acgaacacca ccttttagcac aaaccanaac accaaccaaa 300
 aagcctgtag gattcacccc anattccggg gtcatatgct aacttgctcc catatctact 360
 cgataattca atgggtttcta taaccccagc caagggttgc tcaacctcca ttttctgagg 420
 atacgactcg aacgcaacat gtgcatatca tggaggagtt ccaggacatt ccattgagca 480
 ct 482

<210> 12358
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 12358

atattgtgaa ttatattcaa gagctcttaa cactttgggt gatgaattct tgtgttctat 60
 tagggtaa atatatggcc aaaaggaaac aagttgactc ctgacttttt gctggatggg 120
 tcagatatgg atcatcatga agactaaaag gaaaaaagta attaaaaatt tgaagatttg 180
 catgttcggg tgcccataga aaaaaagata catgaaaaag aaagatgtgt ttattaatta 240
 aagaattgaa agcaactttg tgatgcta ataaaagtatc cctctggatg ttgattctgt 300
 tgaatttaaa tataaaatcc ttatatgcat aaaaacttgg aacgtgtggg tggacttaat 360

ggttggctgg ctggctgtta ctgcttatat tg

392

<210> 12359
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12359

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ttataaacc c tgtctcttta tatcaacacg gtctatataa aacatctatt ccttttcaaa 120
gatttctttn tcctttntca acatacactc gttgttgtat aaaacaattt tctttatata 180
cactcattgc tcacacacca gaatttcttt tcacacatta tttatacaca caaaatcttt 240
tcatacactg tntatataca aaaactctnt tcttttcttt atataagata tgacatttgt 300
tcacaacgcc tctntctttn tctattcttg gtgttatcat gatgtttgtt cgttntattn 360
taggacgacg ttcctaaatg aaaactctac acggttccgg aatttaacan acattatcga 420
caataacgaa gtaagcacta nagcaacagt tcaacataat gtatgcacaa aacanatgac 480
aatcaaaaca acataaaca ac 502

<210> 12360
<211> 274
<212> DNA
<213> Glycine max

<400> 12360

tattttgaag agcagatctg agcctttctt ttatagactc ttcattgtctg gccaatataa 60
ccatttaca gagtgataac ttttagaata acttacaacc aatttgaaaa gttcaaaaac 120
cctttcgaag agttacatct gtagatgtat tcacaaacag tcaactggtaa tgcattacca 180
tatcagtgtg gtgcattaca cagagctatt atgtgataag atgtgactct tcacatacga 240
atttgaatct cagcgttcag aggtactggg aatc 274

<210> 12361
<211> 153
<212> DNA
<213> Glycine max

<400> 12361

ctcttctatt gatgttctca tgtgcttctt ctgctgcagt aattgatcat gaagagtctt 60
acctgaaatg ttgaacatat aacaaatata ttgcgatata tcttacacac atgatgttga 120
gacgactcta tactcaacaa taggggatga acg 153

<210> 12362
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12362

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atcaaattac agagcctggt tccaaagaac atgttaaatt aatccttggg ttcattaaat 120
taatcatttg attcctataa gtagtactta agatttagtc catatacatc cttattagta 180
cacatcggta cctggtatta ctatgttcct taagtntat ccttatatcg atgtataagg 240
accaaattctt aactttgctt ttcatacaat gactaattct tagatgaata tcaccgataa 300
ggactaacta atttaaactt ctgatttgta aactccttcc tattgggatg ggacatttct 360
ttcaatgtct tctcanaatt ctttggcatc tcatctttgg aaattcttct aaaggaataa 420
agctattatc agttgtttca atcaacacat gtttctaaat a 461

<210> 12363
<211> 58
<212> DNA
<213> Glycine max

<400> 12363

agcttataga gggagcttca atggaggaaa agaatgagag gggggggggg gcgcccc 58

<210> 12364
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12364

acattgatct tagcactagt ctcttcaga ctatccttga tggngatggg aacacgatcc 60
anaagctatg ctagctccat cttctcatct tgccttactg ttacatactt gaattcttca 120

ctcatagaga acaatcgaca aagctctatg tccccattg taggcttcaa atgctcgcta 180
 tatgtggata tggatccgtg tggtatgtag tagtagctgg caatacgacc caagtcagtg 240
 acctgaaaat atccactctt cctatcatac ttcaccaa attttctatc caagatgggt 300
 gcagccgtat gaatctgcaa aatttcagca agatataaag atcanaatca gccataaat 360
 aatataagac aggatgaaca ggcaagaaaa anattcaata ttgaatatca tcngaaattc 420
 atttaagaaa aaatttgaag gagataaatc agactaccaa agaagaccaa gaacctatct 480
 ctaa 484

<210> 12365
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12365

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 agtgcgtgag ctcagatgga ggtgggcaac aggggatggg gggtttatgc gcgcattgtg 120
 gatgtggaaa acttggtgtg caccatcgcc cgaccgccac ctagtaccac atgtgatggg 180
 taccataa tcctacaagc ttgagatgag gaagtgttga aggggtgaaac ttctgtcttt 240
 tattgttgac cacagagtgg tacctggaga tatgtcgagg nggtcacgag atccttggga 300
 cgtcaggtag ggtgctattg ccataacca agcttgacca atcccgaccc acccgggca 360
 tagtcggtca gtgagaacct gtgatgtacc 390

<210> 12366
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12366

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 ttctttatct cttgtacaaa ttntgtgtct tttccattag tgatgatcat ggaaggctaa 120
 aacttaaat ccaaggatcc actccaagca aggatgaatt tgtgttctag tttagtattg 180
 ttggacaaat ggctcaata acttaagatg gnggatnttt aatccccttc taaatgatat 240

atgataggct caaaatgtag aacatgaagc aacaattaaa ttaatcaata ttctttatac 300
 gtgcaagaca aatatcactt gcaataaaat aaatgagata aggggaagaga gaattgctac 360
 tcgattatat aggtcggcac ttctgtgcta cattatcctc aacaatcact tgaatttcca 420
 tattatgtaa tcttacagc 439

<210> 12367
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 12367

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 cattcctttt cccttcatat ttacaccct ttttgtatag ttaagccctt catggcaatg 120
 aagggctaaa caatccattg ctgaagaact ttccaccaa ctctcttgat gtaattacta 180
 tcactatcta tttaatatta ttattatggt cattgcctct ttccatgctt atttctatgt 240
 atttgagttg atcaccatt tatatgctat gatagagggt aggtattgga aaatgggggt 300
 aatccttata aatggaaaga acattctaaa tgcttcattg ctaaggataa tgtgaagtgg 360
 ttatcctgtg atacatatct a 381

<210> 12368
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12368

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 ggaaggggaag gagtatgttc aatattgcag gcgccttata tctgataacc aaaaggtgcc 120
 atatgtgcat gacatcatgc ccacaggacc tgaagctcct ccggagcatg ttattttggga 180
 tgtgaatggt aaggcacaac atcaccaata ctgcaccaat actacagtat tgggtggcttt 240
 aaggtagat catatcatta ttaatggcat tttttctcac tttnttctgg cttgtttcct 300
 gacttccaag ttctgacctg ctnttatnt attccaaact tcacttcttt tcaggtcagc 360
 ccanataaca agttggtagc atacgccgaa gacaccaaag gagatgaaat atatactgta 420

tgtcattgat gctgagactc aagctactat tggagagcct ctttgtggtg aacatcatac 480
 tttgat 486

<210> 12369
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12369

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 ttatggtaaa taaaaaattt tcttgatgac cacaaccatg agttattgcc aaataagctt 120
 tgtaaaatcc tgactagtca taggtcaatc cttgaggtaa acatgatgtt gttgaatagt 180
 atgaaagcag ttggaatggg aacccacaa atttttgggt ctattgcaa tcaatgtgga 240
 ggctatgata ggggtgggata tcgtatcaag gacatgtata accaaactgg aagaaacaaa 300
 ggttgaaaaa tgtggatggt aaattagcat tgaaatgttc gagtagtttg agtgtgaatg 360
 aacctttatg ttcttncata cacaattgat gatg 394

<210> 12370
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12370

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 cagttntgtt cttgtcacct tttgtggcag ggttttttgt tggagactnt gctctctttt 120
 ttggcaaacg aagctgtgca ttgtgcctt ccttactgct ttgcttaagg agcctaacat 180
 gaaagggatc aacggatgtg cagcagacag acccatcaac tccatttctt tctaaagtta 240
 catctccgtt gtttacctga caaatgatag aaccacatc atagattgaa attatgatcc 300
 atggttaatc caattaattg gactcttcaa tgtcaaacat cata 344

<210> 12371
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 12371

agctttcttt tttttttgtt ctgatttttt ttactaaatg tagttttttt ttttctttta 60
aatttctatg cttcaatgaa attttatttg tgggtggtga gaaccataat gtttaacttta 120
atcaaattgt gaatcaaaat tgtgatactt tatcaccaga aatcacaaat gatagatgca 180
tgacaaaggt ttattgttac acatttatag agatgagaaa ccaaaagacg atgtttctaa 240
aaggaaggat tacaacatat gtttaaccat ttaataaatt acattaacaa gttatagtgt 300
ttgagatatt ttatttttat tcataaccta gtgatttttt ttacagcaac ctcatgaaaa 360
aatagacaac taacatag 378

<210> 12372

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12372

cagagcttga aagatttcga gtagtcgaag agaagttcaa gtccatagcc atcanagtct 60
ganaagagta tgatgaacta agggacgtca atatggccac cgctgaagcc ttggaacgag 120
aaaccaagaa ggcccgaag gaagaacacg tgccagcaaa gttntgaggg gctttatagg 180
gcagcaatag taagctcaag ctccgaagag gtgaaaggaa tcatcatggg tcanaggcat 240
gatcttgaag gacgagctaa aggcttacct taggtcgaaa agaaatttat cccaacagtt 300
aagcgagact gaaggggaata tgtgggccgt catcgatgag tgcanagaga agctaaatct 360
agcggcgact cagcagcaaa ggctagagga tgagtacgcc aagatatc 408

<210> 12373

<211> 403

<212> DNA

<213> Glycine max

<400> 12373

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ttcaacacac acacacacac acatacacat acacagccac acacacacag aaacacacac 120
acacacagaa acaaacacgc agacagacac gacctgttag ggcacacaca cacgctgaga 180
aacacactca cactgtcacg gacagacacg cacatacgca taaacagaca gacacacgca 240

cacacacaca cacacacaca caaaaacaca cgcacacaca gaaacaaaca cacacacaca 300
cacacacaga aacaaacaga cacacacaca caaacacaca cacacagaaa cacacacaca 360
cccacactgg gtttctgtgt gatagaagca ttataaatta acg 403

<210> 12374
<211> 231
<212> DNA
<213> Glycine max

<400> 12374

attgatgtgt gtgctattgt atgtcatgag atgaaatgca aaagttgaga ctctgtgttg 60
ttgttgactg aagaattgcc ttacacactt gtgcttatga gtgaaatagt gaccgtgagg 120
atctggctag atgaaccttg atatctgtgt tgcttgctag cttatgtcac ttgtgttgct 180
taataaccat ggtcatatct ttgacattct gcatactttt atgaaaagct g 231

<210> 12375
<211> 554
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12375

ctggcgctca canttnggta gtccctgtat naaccanncc attagtnnan naaccgcgcg 60
cggctnttgc cgatcgatca tcaacgttct acgacgtatg tttatcttat tgacacaaga 120
caaccgcact tgagggtgcg ctcataatac aaccgactcc acctccacnn ccactagcca 180
taatcaacta ctggaacctc attatcgtgc gtacactaat attgataagt gcgttgaact 240
atcgectaga tcacgaagta gtaattacga taacatccga tctcacagtg ttatagactg 300
at ttgcacgc accaagcgca cgtagagttt gatatgtgga acacaacaat gtatccctta 360
tcaagacaca ctccccacgc tatcgaacta taccatacgc atgcatccat tctgattacg 420
ctataactta caacatcgct gatgcctgta ttatcgtagt ttcaatatga acgacgtgac 480
aacacacaga actcgtcaat atatgttaag aaatcgcgta tcaactctgca tgacgttggt 540
cacgatacta atcc 554

<210> 12376

<211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12376

cggacctatg atactcagct tggatatctcc ttcttcacta catcaagaat caccgggtta 60
 tgtcttctct gtggctgtct tactgggtta gctccatctt ctaaatttat tcgatgcata 120
 catgtggatg ggctaatacc aggaatgtcc gccaggggcc agcctatagc cttcttatgc 180
 ttcttgagaa ctgacaacaa cttctcttct tgctcatcag caagggaggc agatataatc 240
 actggaaaac tcttgctatc atccaagtaa gcgtatttta natttgatgg caaaggcttc 300
 aattctgggtg tggtcggctg gacagtggta gaaggagatg gtttctcagc ctttacctca 360
 taaagaaagt cagaggtatg tgtacttcct gaaacatggt tagtcctatc tgactctata 420
 aaatcaatct caagaagtaa aacaccacca ccaggcattc atcaatatca ctctcagatt 480
 actctcacat caaatcc 497

<210> 12377
 <211> 867
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12377

gccgtagnta ntcttacgaa cagactactc tgctcagcca ctagttagta tttgtcncgt 60
 gntanttttg natttnntnn gctgantatt ancactgcgt actntcgtcc atgactntcn 120
 tggtaacgac nnacngannt gttgcagacc ccgcttgnag tactcgtatg ntgcacatgc 180
 gactcgnagt nactgctgc gacntattag ttgcaacacc antgcatctn tgatggacta 240
 tgcacgggtg catcanttac tagctgggac angtagatca tttgctgatg cgcgctatat 300
 agatgagcan cacntntagt agtgtacgaa catgtgatca ngngatcgct agatatacac 360
 tctctcanan aggtatcaca gtgacgtagg catgataaat aatgcgtagc tatcgcnct 420
 ctatatcgcg atatacgcta ctctagctca cagaacgacg cacttgtagc tctcgtaaag 480
 atgtgacgct tggagcacac aacactacgc gcagacggac ttcattgctca gtgagacgac 540
 atactcgaat cttgatgatc ggtgcgtcgc gcactcgctc tncattgtac tacttgacgc 600

ggaagacgca tctcgtatat gacgccgtac gtggatcacg agccagtatt cactacctca 660
 caacgccgcc gcatatctgt gtcagaaatg ttatgtgtcc tattanactc acgaaggcgc 720
 ctcccttggt aagtcatact atttatacat ctctcactcg gatagagcgc ctatcgta 780
 tatctctagc tgtgatacac ctatacgct acgctacgcc acccgccctc ttcacgcgat 840
 atgtcatata atatgacgac tgcggcc 867

<210> 12378
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12378

nttgaacttg aacacggaac accaatactc aggttgagga ttatggggta cccatcacat 60
 gtggtactaa gtggctgtcg ggcgattgtg cacaacaagt tntccacatc cacaatgcgc 120
 gcataaacc accatcccct gtttgccacc tccaactgaa ctacagctact cccacgtagc 180
 ccatattctc gtttttctaa caccgggtgc ccataaatc ttccaagctt tcacagcatc 240
 caagcaaac gtcattttaa cagcacaagc tatcgtaacc aagcaaaaca gagcaaagga 300
 tgaaaactct tgtcaacaca ttaaccacaa tcacaagttt tttactttta gacacagaac 360
 aattcttcga tccatttgta accgtggatc gactccaaat ttactggagt ctatatgcta 420
 acccacattg gaccgtggaa ttatatcaaa tccaaactat tctgtctacc tttcacaaca 480
 acaacacaag cttt 494

<210> 12379
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12379

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 ctggtgatga gtggcccatc caaaagtgcc atatgtctat gggaaggata ttgcacttac 120
 ggtgaacaac ggttgaacat atagtctttg gggttagctg gtctggtatt agatgataaa 180
 gaccatgtct cgcttcaatt ataccaatct tcatacgttt gtctgtatcc tgcaacatgc 240

atgaattgga agaaaatatc aatgcacagt cagtagatga cacgagtttt gaaatggaaa 300
 taatattgaa agcgaatgtg ggtcttaata atacattaaa cagcgttata ttgggtgaga 360
 ggtgtacgac ttcggaatga gtaacgtgga catgatggcc gttatgaagc tttactgtga 420
 ctgggttgat gcattcatat g 441

<210> 12380
 <211> 529
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12380

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 gatcgaaaat gcctaaatca tcgcgcatat atgcatgtta ttgatgaagc tacgcaagag 120
 atccatcctg gccattgagc aaacgcacac aggtgctaaa cacaccacaa gattatgatg 180
 atggatggct cgaatattca ctaaggtaaa cttatcacta tcgaaactat catgacatgt 240
 taaggataaa caaggatatc agatacaata cgtcgagaga cttttatttt cagaacaatt 300
 acccatttct tgaacatatc ttataactca aagacaaaca tgcacatcta tcacaacgaa 360
 acttacaata tttaactaaa acccaacca actataaaat ctaactaatt tacaccacta 420
 acaaagccaa acctaaaaca cactctcccc atacttaaac acgcattgtc ctactgtgc 480
 ccaattaaca gataaatata ctattacctc anaagaagct gacactgtg 529

<210> 12381
 <211> 841
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12381

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 ataatnctgt ancgatactt actatactcc cnnaagaaac ganacangan nngnagtttg 120
 gaaacccttt tgatnacnt tcgtgtagtc actcgncgga nacncatnag gacagactga 180
 ngagcactnc tctgcacaca gtcgcatgtg caagaagtcg ccgacgagac gcatctgtat 240
 gacggctnctg aacgtctggg gaactgacgt cantcgcact acacagccgc agattgcntg 300